

Owner CENTURY BUILDING CORP; Mailing Address

Permit No. 16457

Cost \$ 5,500:

Lot 8 Block a resub of Lots 37 & 38 Subdivision BELLE ISLE

General Contractor Asme Building Corp

Architect E. Dean Parmalee

Address # 8 Farrey Lane

Bond No. 3001

Engineer

3233-03-0080

Zoning Regulations: Use RE

Area 10

Lot Size 54 X 76

Building Size: Front 35'

Depth 45'10

Height 15'

Stories one

Certificate of Occupancy No.

Use Residence - 5 rm- bath- porte cochere

Type of Construction CBS

Foundation

spread footing

Roof

Tile

Date Nov.12-1941

Plumbing Contractor L. T. Odom # 16215

Sewer Connection 1,

Date Nov.18-1941

Temporary Closet

Plumbing Contractor

Date

Water Closets 1,

Bath Tubs 1,

Floor Drains

Lavatories 1,

Showers

Grease Traps

Urinals

Sinks 1,

Drinking Fountains

Gas Stoves 1,

Gas Heaters 1, 1,

Rough Approved Bell

Date Dec.16,1941

Gas Radiators

Gas Turn On Approved

Septic Tank Contractor # 16467 C.E.Fittard

Tank Size 500 gals

Date Jan.2-1942

Oil Burner Contractor

Tank Size

Date

Sprinkler System

Electrical Contractor # 18217- S & S Electric

Address

Date Dec.29,1941

Switch 10
OUTLETS Light 8
Receptacles 12

Range Motors
HEATERS Water
Space

Fans Temporary Service # 18289- S & S Elect
Jan.9,1942

Centers of Distribution 1

Refrigerators 1

Irons 1

Sign Outlets

No. FIXTURES 8

Electrical Contractor

Date

FINAL APPROVED BY J. J. Farrey Date of Service January 15, 1942

Alterations or Repairs—Over #26625 Seawall Cap- Feldman- \$ 200: Jan. 30, 1948

ALTERATIONS & ADDITIONS

Building Permits: # 26697 Painting - Ardis McCully - \$ 700: Feb. 16, 1948
#1224 - Peoples Gas - type 9804 - air cond. central - 1-3 ton 7/17/70
#01904-Perfect Seal-Remove old windows and doors and install 13 units of old anodized windows-
#500-10-11-72
#28131 3/14/86 Gunitite Const & Rentals pressure grout seawall \$2,500.

Plumbing Permits:

#43962 Owen Plumbing Co.: 1 san. sewer, size 4" - 6/16/66 (shandon septic tank)

Jordan **Electrical Permits:** #40996 Emanuel Electric: 3 Switch Outlets, 2 Receptacles, 2 Light Outlets,
2 Fixtures, 1 Iron Outlet, 2 Appliance Outlets, 2 Centers of Dis-
tribution: Dec 11, 1953 CE, Rossier L/28/54
#39845 Lyon Elec. Co., Inc.: 2 receptacles; 1 motor, 1-1 hp - 7/21/63
#71174-Luzer Electric- 1 service repair-3-4-74

RHODES RESIDENCE



PROJECT LOCATION

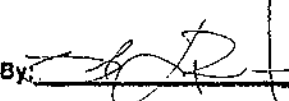
SCOPE OF WORK
ALTERATION LEVEL II
1. REPLACE WINDOWS & EXTERIOR DOORS AS PER PLAN.
NOTE: NO MECHANICAL, ELECTRICAL OR PLUMBING WORK TO BE PERFORMED WITHIN THIS PERMIT.
APPLICABLE CODES & REGULATIONS. JURISDICTION: MIAMI BEACH, FL. 1. 2007 FLORIDA BUILDING CODE (FBC). 2. 2007 FLORIDA STATE ACCESSIBILITY CODE.

PUBLIC WORKS
PLAN REVIEW NOTICE
Phone 305-373-7000 Fax 305-373-7000

THIS PLAN REVIEW CONSTITUTES APPROVAL FOR OBTAINING BUILDING PERMITS ONLY.

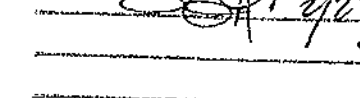
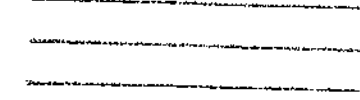
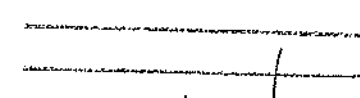
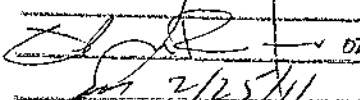
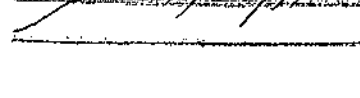
All construction and/or use of equipment in the right-of-way and/or easements, requires a separate Public Works Department permit prior to start of construction.

Permit Requirements: Proof of existing sidewalk/curb area conditions (pictures) and/or posting of sidewalk/roadway boxes (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: 02/24/11

B1101840

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

BUILDING: 
ZONING: 
DRB/HPB: 
CONCURRENCY: 
PLUMBING: 
ELECTRICAL: 
MECHANICAL: 
FIRE PROTECTION: 
PUBLIC WORKS: 
SPECIAL:
ELEVATOR:

PROJECT: Rhodes Residence
8 Farrey Lane
MIAMI BEACH, FL. 33139

DRAWN BY:
C. PERERA

REVISIONS:

SCALE: 1"=3/8"

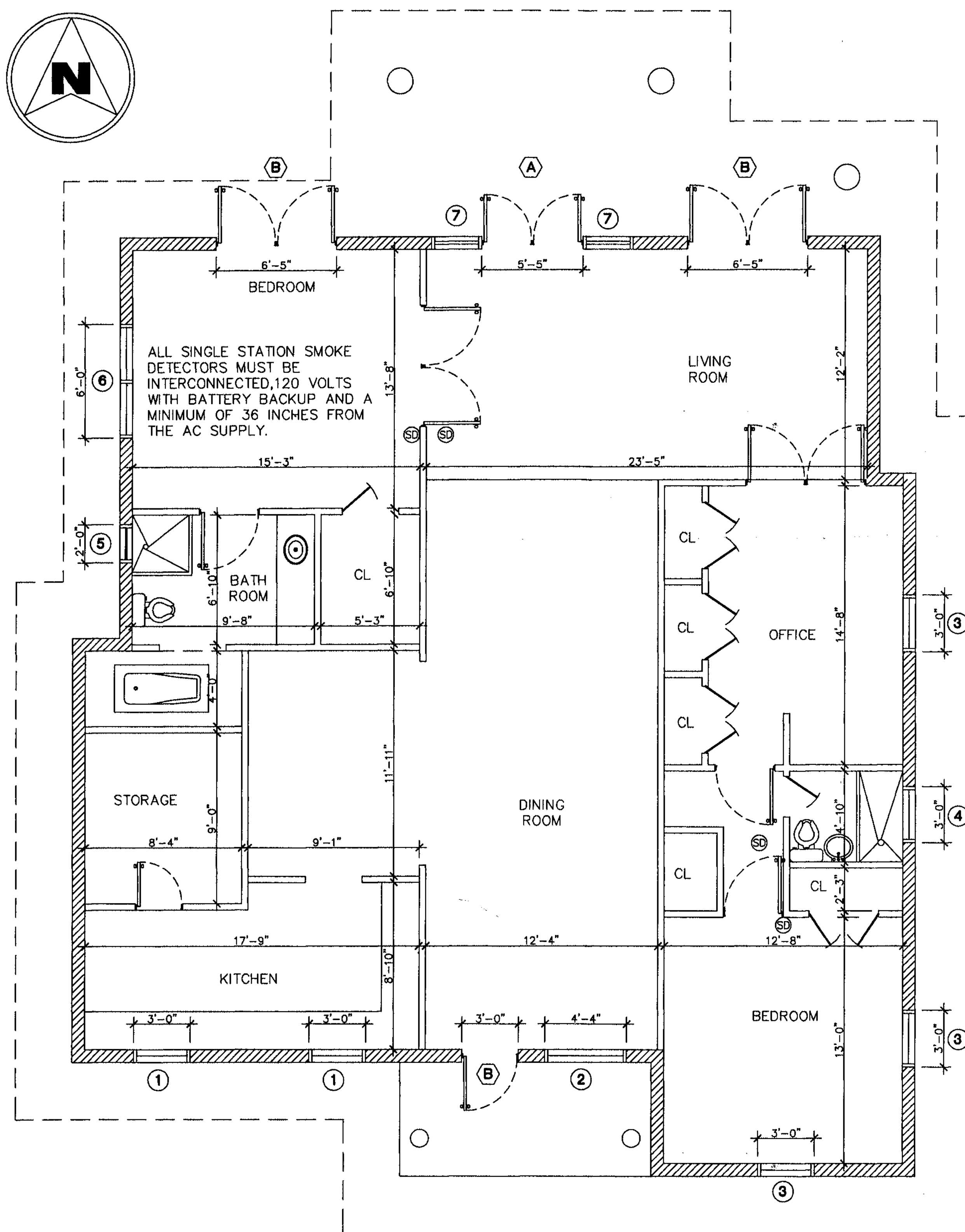
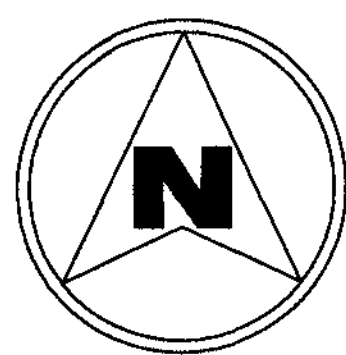
DATE: 01/5/2011

CONTAINS:

COVER SHEET

PAGE: #

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

LEGEND:

- EXIST. NON RATED PARTITION WALL
- EXIST. 1 HR. RATED PARTITION WALL
- EXIST. SMOKE DETECTOR

FLOOR WINDOW SCHEDULE

WINDOW NUMBER	SIZE	SPECIFICATION
1 (2)	36" x 38"	EXISTING
2 (1)	52" x 50"	EXISTING
3 (3)	36" x 50"	EXISTING
4 (1)	36" x 17"	EXISTING
5 (1)	24" x 24"	EXISTING
6 (1)	72" x 48"	EXISTING
7 (2)	34" x 80"	EXISTING

DOOR SCHEDULE

DOOR NUMBER	SIZE	SPECIFICATION
A (2)	80" X 31"	EXISTING
B (5)	80" X 36"	EXISTING

Rhodes Residence
8 Farrey Lane
MIAMI BEACH, FL. 33139

PROJECT:

DRAWN BY:
C. PEREIRA

REVISIONS:

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

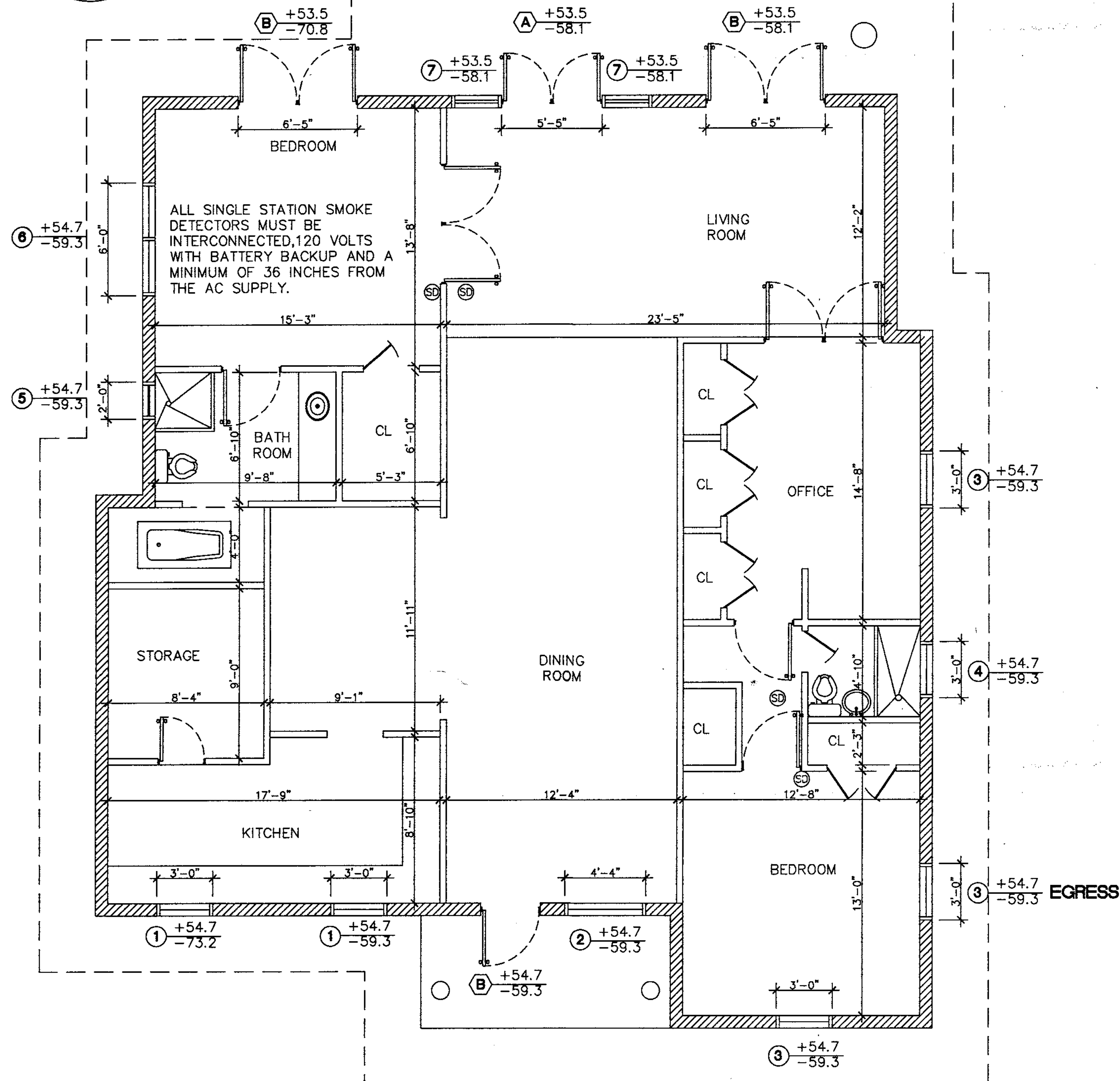
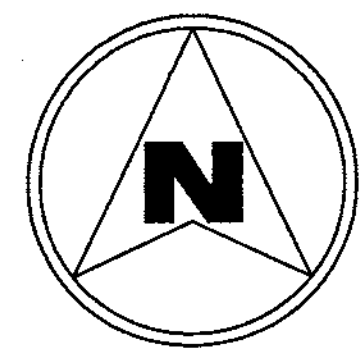
DATE: 01/5/2011

CONTAINS:

EXISTING
WINDOWS/DOORS
PLAN

PAGE: #

A-1



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

LEGEND:

- EXIST. NON RATED PARTITION WALL
- EXIST. 1 HR. RATED PARTITION WALL

FLOOR WINDOW SCHEDULE		
WINDOW NUMBER	SIZE	SPECIFICATION
① (2)	36" x 38"	NEW (NDA No 08-0117.11)
② (1)	52" x 50"	NEW (NDA No 08-0117.11)
③ (3)	36" x 50"	NEW (NDA No 08-0117.11)
④ (1)	36" x 17"	NEW (NDA No 08-0117.11)
⑤ (1)	24" x 24"	NEW (NDA No 08-0117.11)
⑥ (1)	72" x 48"	NEW (NDA No 08-0117.11)
⑦ (2)	34" x 80"	NEW (NDA No 07-0629.10)

DOOR SCHEDULE		
DOOR NUMBER	SIZE	SPECIFICATION
Ⓐ (2)	80" X 31"	NEW (NDA No 07-0629.10)
Ⓑ (5)	80" X 36"	NEW (NDA No 07-0629.10)

Rhodes Residence
8 Farrey Lane
MIAMI BEACH, FL. 33139

PROJECT:

DRAWN BY:
C. PEREIRA

REVISIONS:

SCALE: 1/32"

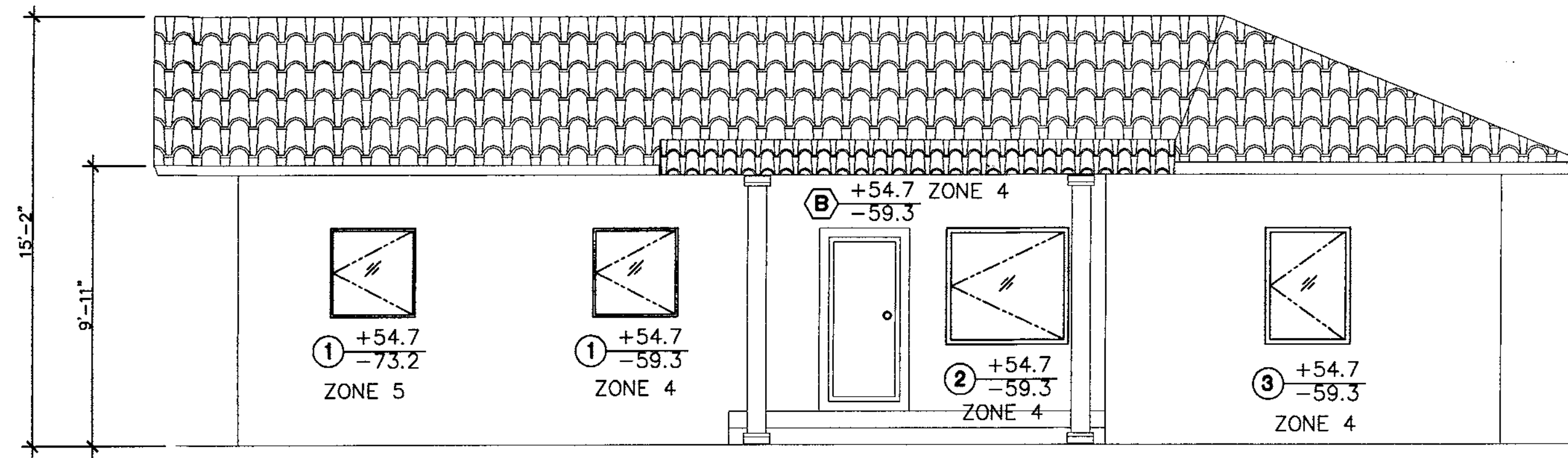
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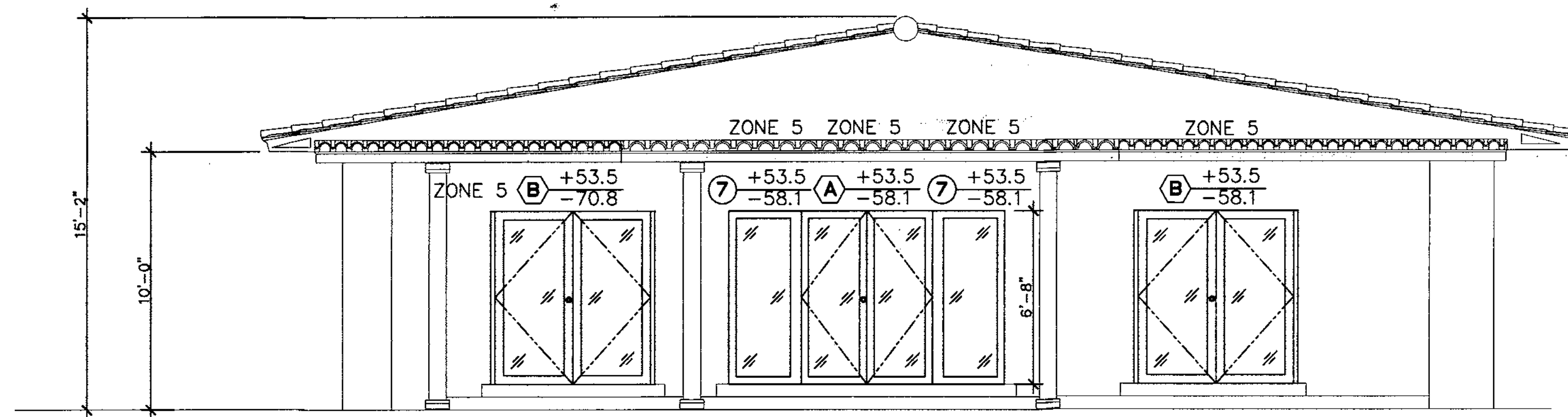
PROPOSED
WINDOWS/DOORS
PLAN

PAGE: #

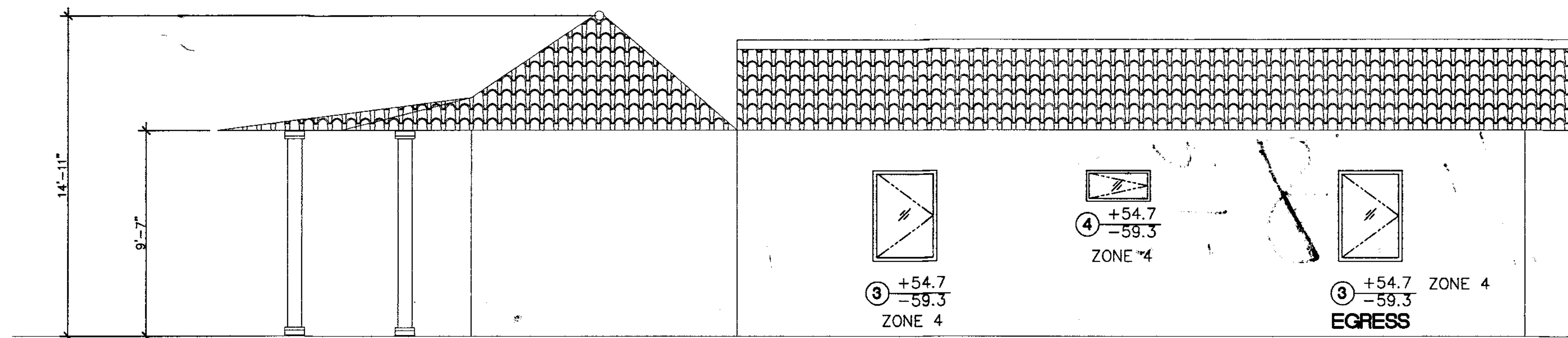
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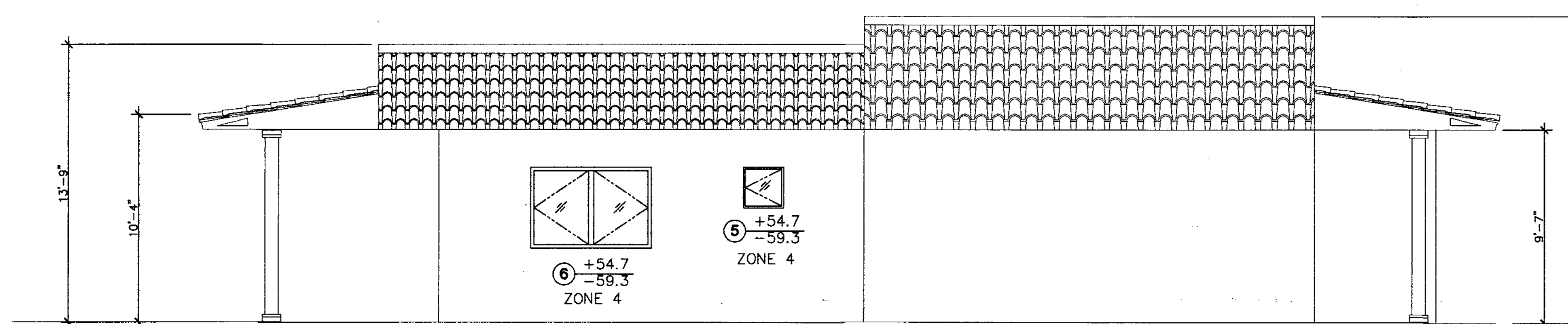
NORTH ELEVATION PLAN
SCALE: 1/4"=1'-0"



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



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



EAST ELEVATION PLAN
SCALE: 1/4"=1'-0"

Rhodes Residence
8 Farrey Lane
MIAMI BEACH, FL. 33139

PROJECT:

DRAWN BY
C. PEREIRA

REVISIONS:

SCALE: 1/4"=1'

DATE: 01/5/2011

CONTAINS:

PROPOSED
WINDOWS/DOORS
ELEVATIONS

PAGE: #

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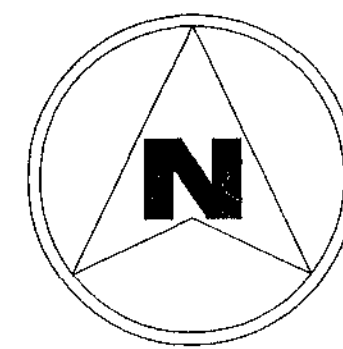
OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:

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

[Handwritten signatures and dates are present over the lines, including "2/15/11" and "2/24/11".]

RHODES RESIDENCE - INTERIOR

B1101995



PROJECT LOCATION

SCOPE OF WORK
ALTERATION LEVEL II
1. PAINT INTERIOR 2. RELOCATE KITCHEN 3. NEW KITCHEN CABINETS, APPLIANCES, ELECT. OUTLETS, FIXTURES AND PLUMBING. 4. CHANGE EXISTING KITCHEN TO PANTRY 5. CHANGE EXISTING STORAGE TO WINE CLOSET 6. REMOVE EXISTING FRENCH DOOR AND ENCLOSE EXISTING FRENCH DOOR OPENING IN OFFICE AREA 7. REMOVE EXISTING FLOORING AND ADD NEW WOOD FLOORING IN KITCHEN AREA.
APPLICABLE CODES & REGULATIONS. JURISDICTION: MIAMI BEACH, FL. 1. 2007 FLORIDA BUILDING CODE (FBC). 2. 2007 FLORIDA PLUMBING CODE (FPC). 3. 2008 NATIONAL ELECTRIC CODE (NEC) 4. 2007 FLORIDA STATE ACCESSIBILITY CODE.

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

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OBTAINING BUILDING PERMITS ONLY.

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easements, requires a separate Public Works Department permit prior
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(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: B. D. Miller Date: 3/10/11

OFFICE COPY
CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY
THE FOLLOWING:

BUILDING: rmw 3/3/11
ZONING: C 3/3/11
DRB/HPB: 3/10/11
CONCURRENCY: 3/10/11
PLUMBING: 3/10/11
ELECTRICAL: 3/10/11
MECHANICAL: 3/10/11
FIRE PREVENTION: 3/10/11
ENGINEERING: 3/10/11
PUBLIC WORKS: 3/10/11
STRUCTURAL: 3/10/11
ELEVATOR: 3/10/11

PROJECT:

Rhodes Residence
8 Farrey Lane
MIAMI BEACH, FL 33139

DRAWN BY :
R. FALLS

REVISIONS:

SCALE: 1"=14'

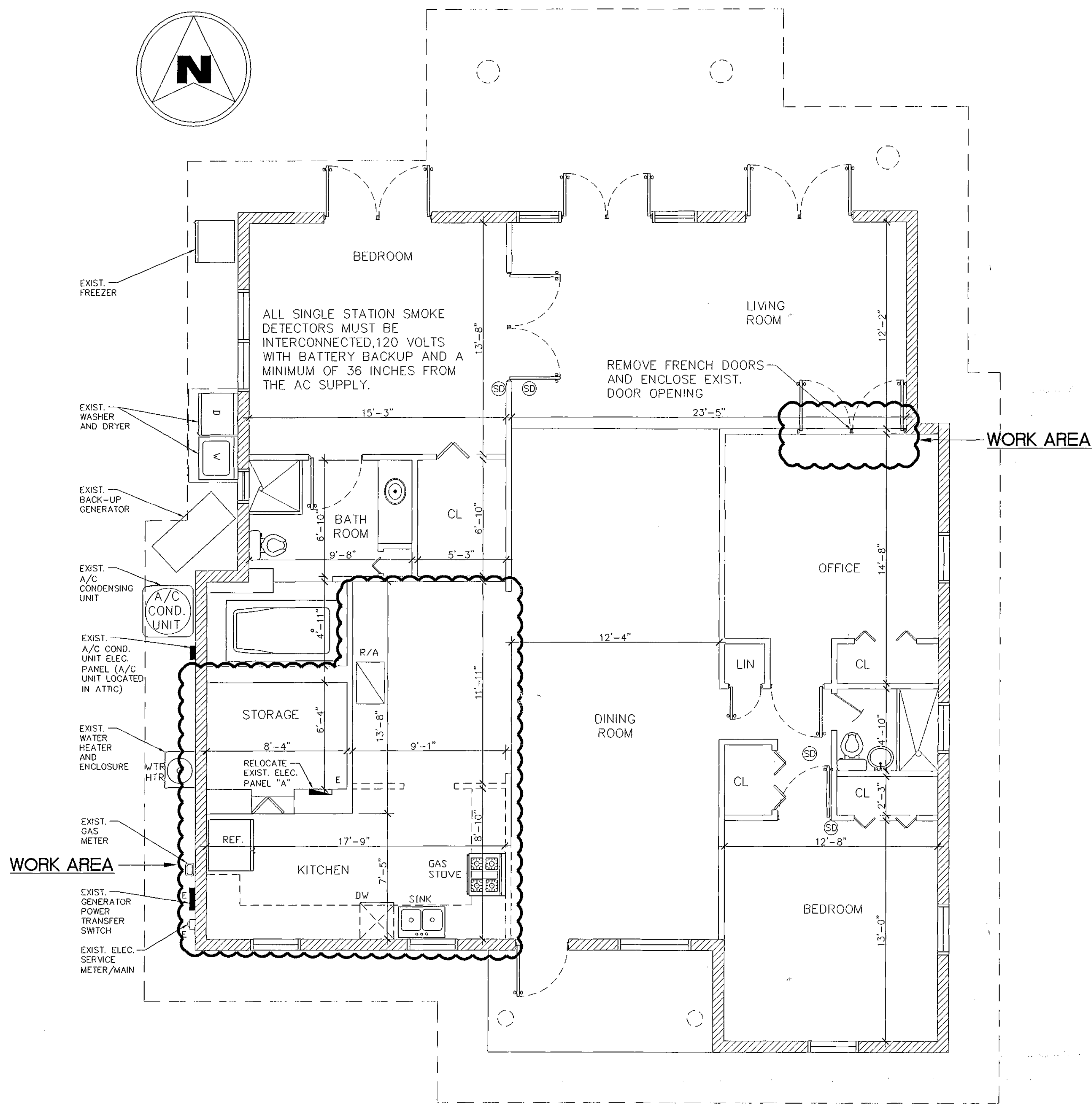
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CONTAINS:

COVER
SHEET

PAGE: #

A-0



PROJECT:

Rhodes Residence
8 Farrey Lane
MIAMI BEACH, FL 33139

DRAWN BY :

R. FALLS

REVISIONS:

SCALE: 1/4"

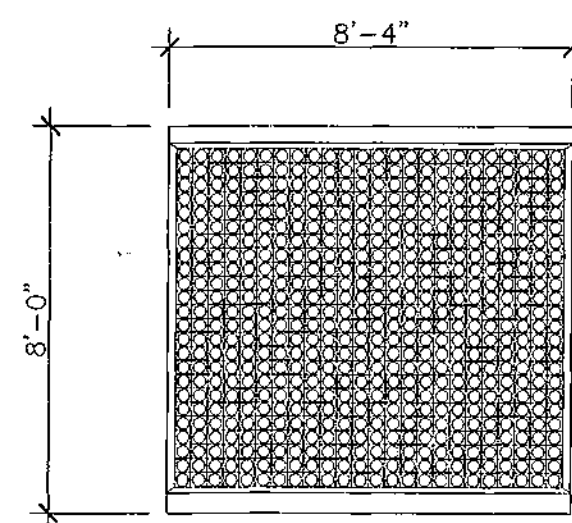
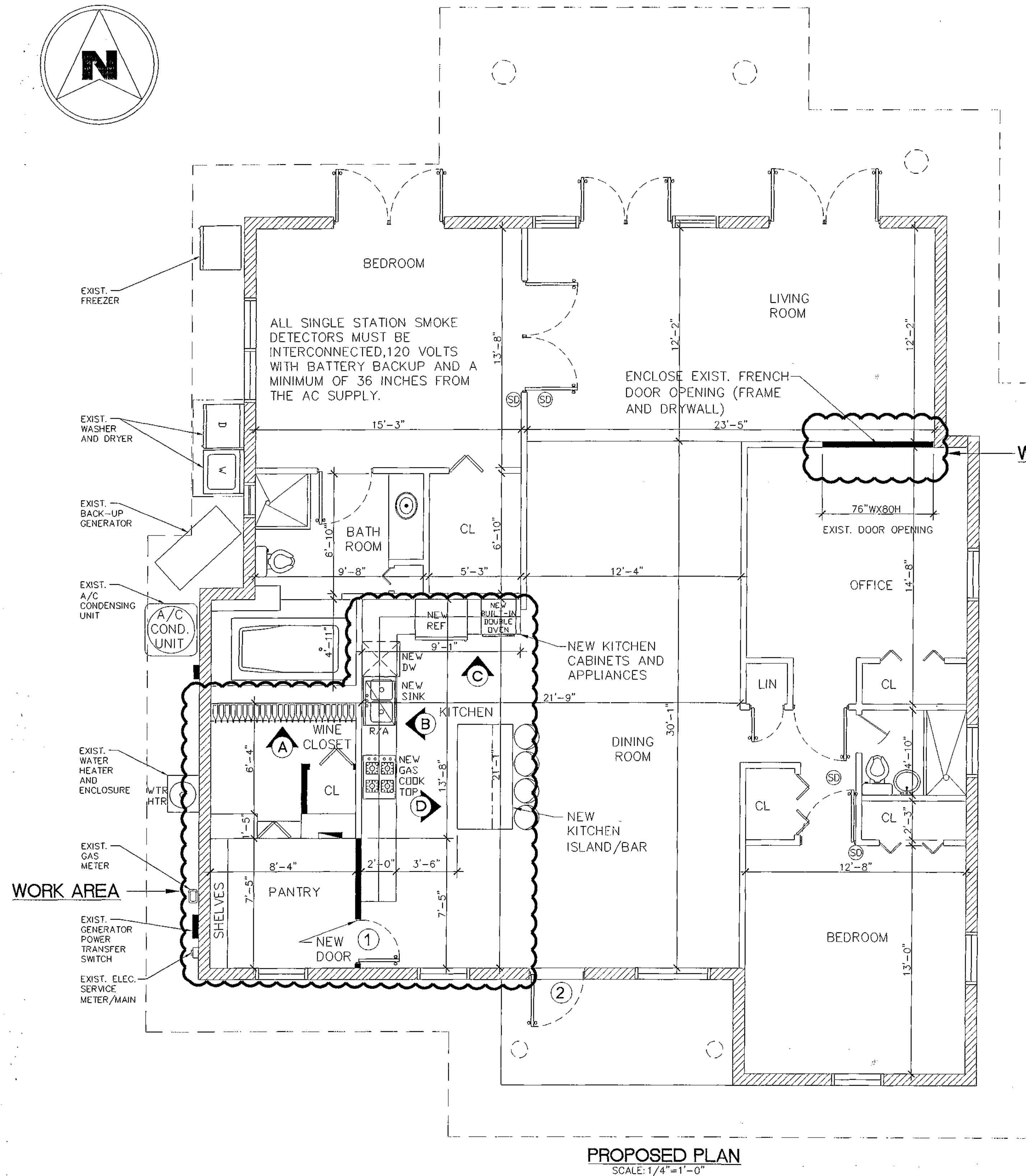
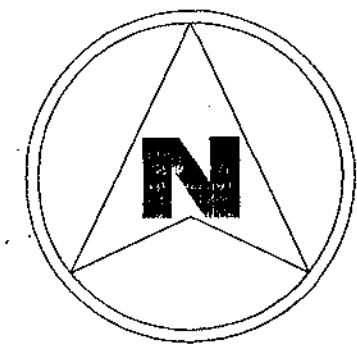
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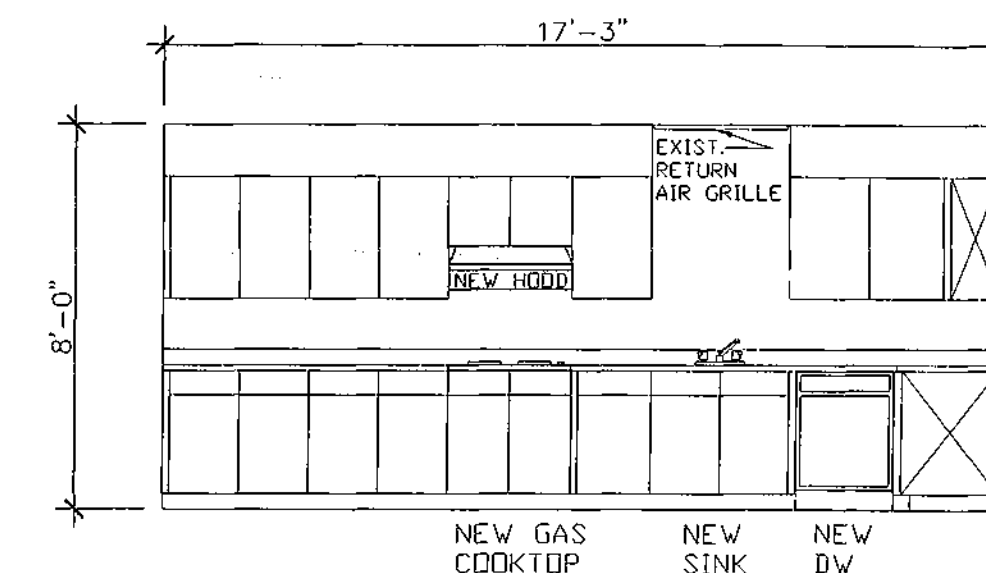
EXISTING
INTERIOR
PLAN

PAGE: #

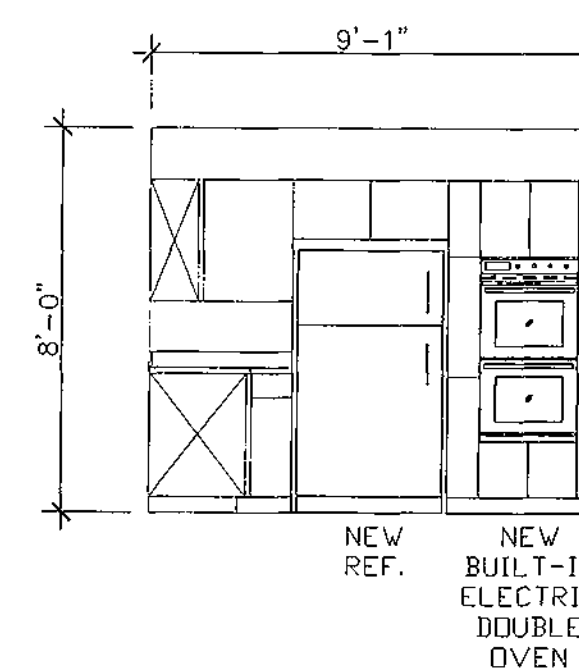
A-1



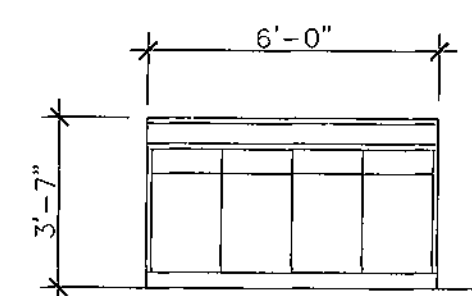
ELEVATION "A"
PROP. WINE RACK WALL



ELEVATION "B"
PROP. KITCHEN CABINETS

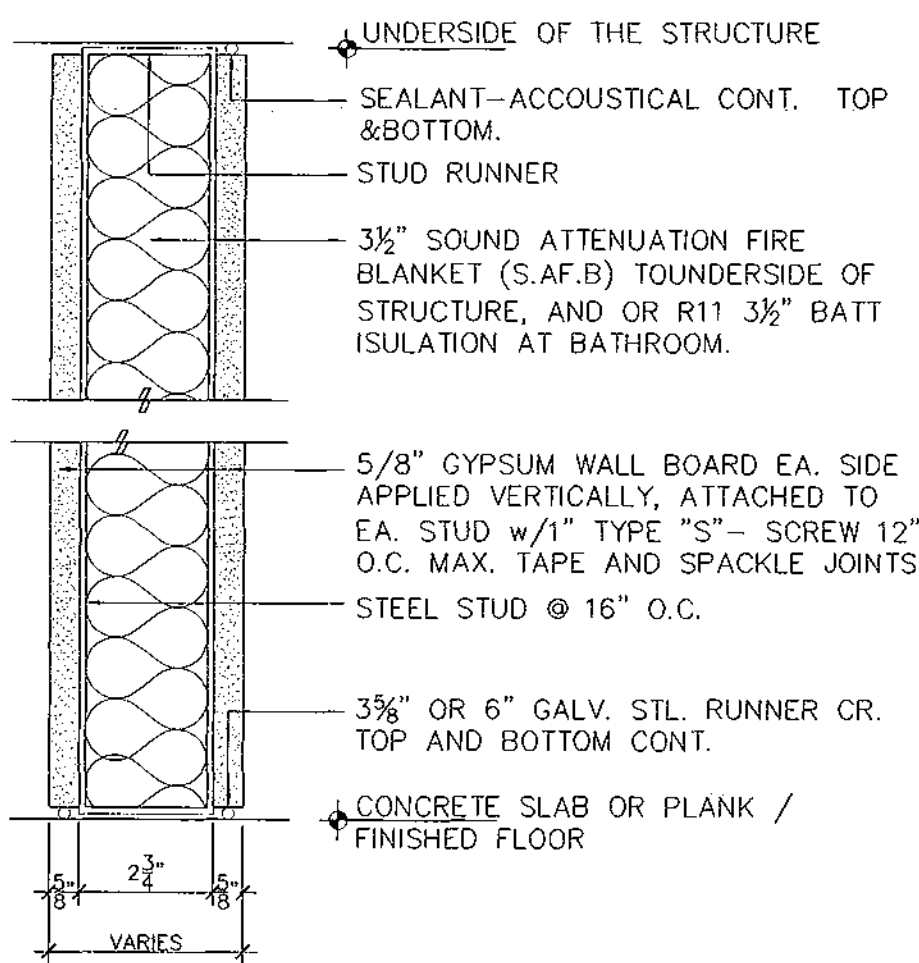


ELEVATION "C"
PROP. KITCHEN CABINETS



ELEVATION "C"
PROP. KITCHEN ISLAND / BAR

NON RATED WALL PARTITION

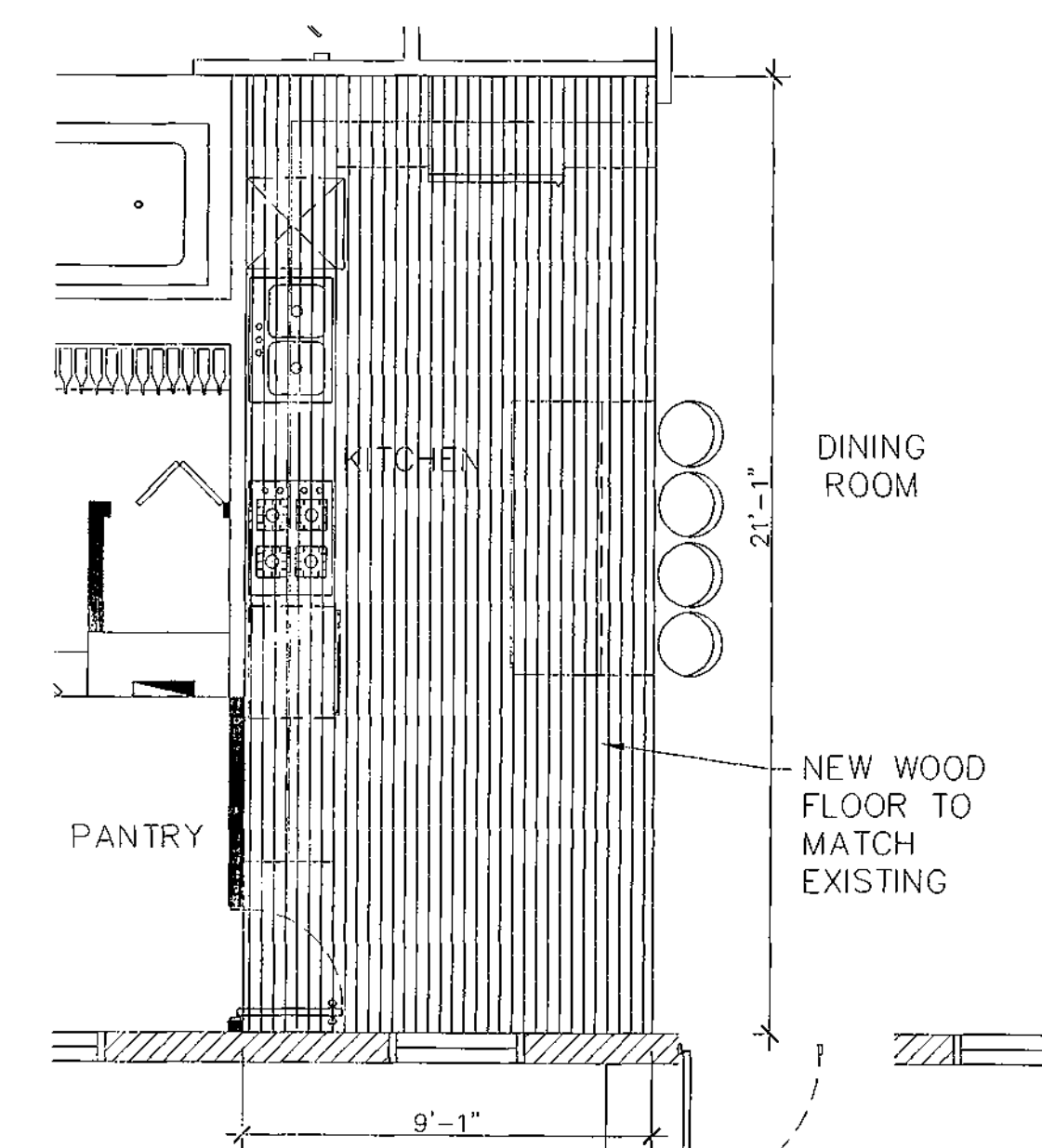
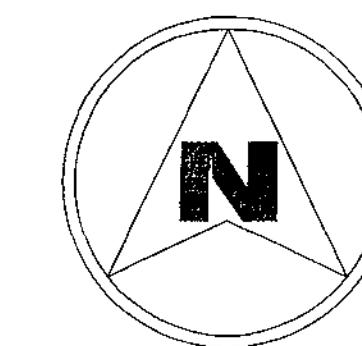


DOOR SCHEDULE

NO.	QTY.	SIZE	TYPE	REMARKS
①	1	30"x80"	HOLLOW CORE WOOD	NEW
②	1	36"x80"	SINGLE GLASS DOOR	NEW (HURRICANE PROOF)

LEGEND:

- NEW. NON RATED PARTITION WALL
- EXIST. SMOKE DETECTOR



NEW FLOORING PLAN
SCALE: 1/4"=1'-0"

Rhodes Residence
8 Farrey Lane
MIAMI BEACH, FL 33139

DRAWN BY:
R. FALLS

REVISIONS:

SCALE: 1/4"
DATE: 01/5/2011

CONTAINS:

PROPOSED
INTERIOR
PLAN

PAGE: #

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4. ALL SINGLE STATION SMOKE DETECTORS MUST BE INTERCONNECTED, 120 VOLTS WITH BATTERY BACKUP AND A MINIMUM OF 36 INCHES FROM THE AC SUPPLY.

SERVICE-120/240V,1Ø,3W					EXISTING PANEL A		MAIN BUS: 200 AMPS	
MOUNTING: SURFACE							NEUTRAL: FULL	
POLES: 20							MAINS: MLO	
							A.I.C. 1ØK	

LOAD KVA	TRIP POLE	CND-DUIT	WIRE	REMARKS	CKT NO	CKT NO	REMARKS	WIRE	CND-DUIT	TRIP POLE	LOAD KVA
0.5	20-1	1/2	12	LIV. RM. OUTLETS	1	2	A/C	6	3/4	50-2	7.5
1.5	15-2	1/2	12	OUTSIDE WASHER/ FREEZER	3	4					
5.0	20-1	1/2	12	DRYER	5	6	MASTER BDRM /BDRM	12	1/2	20-1	1.5
					7	8	MASTER BDRM	12	1/2	20-1	1.5
					9	10	OUTSIDE JET SKI LIFT	12	1/2	20-1	0.5
0.5	20-1	1/2	12	LIGHTS AND RECEPT.	11	12	BATHROOM JET REC.	12	1/2	20-1	0.5
0.5	20-2	1/2	12	LIGHTS AND RECEPT.	13	14	SMALL APPLIANCES	12	1/2	20-1	1.5
1.2	20-1	1/2	12	REFRIGERATOR	15	16	SMALL APPLIANCES	12	1/2	20-1	1.5
1.2	20-2	1/2	12	DISHWASHER	17	18	BUILT-IN DOUBLE OVEN	10	1/2	30-2	5.0
0.5	20-1	1/2	12	LIGHTS AND RECEPT.	19	20					
10.9				GENERAL LIGHTING LOAD							12.0
-				AIR CONDITIONING LOAD							-

• FIRST 10 KVA AT 100%	GENERAL LIGHTING LOAD = 22,900 VA
• REST 12,900 VA AT 40%	10,000 VA
	5,160 VA
	SUB TOTAL = 15,160 VA
• AHU AT 100% = 7,500 VA	7,500 VA
	TOTAL = 22,660 VA

$I_L = 22,660 \text{ VA} \% 240\text{V} = 94.4 \text{ A}$

GENERAL ELECTRICAL NOTES

A. GENERAL PROVISIONS

1. THE WORK SHALL CONSIST OF FURNISHING LABOR, EQUIPMENT, AND MATERIALS TO PROVIDE THE COMPLETE INTEGRATED AND PROPER FUNCTIONS SYSTEMS AS SHOWN ON THE DRAWINGS.
 2. ALL WORK SHALL BE DONE IN CONFORMANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS AND ORDINANCES.
 3. ALL EQUIPMENT AND MATERIALS PROVIDED SHALL BE NEW AND IN CONFORMANCE WITH APPLICABLE PROVISIONS OF NEMA, ANSI, U.L., ETC.
 4. THE ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF OTHER TRADES SO AS TO AVOID INTERFERENCES.
 5. THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL LAYOUT OF ELECTRICAL SYSTEMS. FIELD VERIFICATIONS OF DIMENSIONS IS DIRECTED.
 6. SECURE PERMITS AND INSPECTIONS REQUIRED BY STATE AND LOCAL LAWS AND ORDINANCES.
 7. UPON COMPLETION OF THE WORK, FURNISH TO THE OWNER CERTIFICATES OF FINAL INSPECTIONS AND APPROVALS FROM AUTHORITIES HAVING JURISDICTION.
- B. RACEWAYS**
1. NOT IN USE.
 2. MINIMUM CONDUIT SIZE SHALL BE 1/2" TRADE SIZE.
 3. USE FLEXIBLE CONDUIT FOR SHORT FINAL CONNECTIONS TO VIBRATING EQUIPMENT SUCH AS MOTORS AND TRANSFORMERS. LIQUID-TIGHT FLEXIBLE CONDUIT SHALL BE USED IN DAMP AND WET LOCATIONS.
 4. EXPOSED CONDUITS SHALL BE RUN PARALLEL TO BUILDING LINES.
 5. DO NOT INSTALL CONDUITS LARGER THAN 1/3 THE SLAB THICKNESS IN CONCRETE SLABS.
 6. PROVIDE APPROVED FIRE STOPPING MATERIALS AT ALL PENETRATIONS THROUGH FIRE RATED FLOORS AND WALLS TO PREVENT THE PASSAGE OF SMOKE, FIRE, TOXIC GAS OR WATER THROUGH THE PENETRATION EITHER BEFORE, DURING OR AFTER A FIRE, AS REQUIRED BY ARTICLE 300-21 OF THE N.E.C.
 7. PROVIDE CABLE SUPPORTS IN ACCORDANCE WITH ARTICLE 300 OF THE N.E.C.
 8. PROVIDE EXPANSION FITTINGS IN CONDUIT STRUCTURAL EXPANSION JOINTS.

C. CONDUCTORS

1. ALL WIRING SHALL BE COPPER.
2. CONDUCTORS SHALL BE RATED 600V. WITH TYPE THWN INSULATION.
3. WIRES SIZE #10 AWG AND SMALLER SHALL BE SOLID CONDUCTOR. WIRES SIZE #8 AND LARGER SHALL BE STRANDED.
4. MINIMUM CONDUCTORS SIZE SHALL BE #14 AWG.

D. LIGHTING PANELS

1. PROVIDE LIGHTING AND RECEPTACLES PANELS AS INDICATED ON THE PLANS AND AS SPECIFIED HEREIN. ALL PANELS SHALL BE DEAD FRONT, CIRCUIT BREAKER TYPE AND SHALL BEAR THE U.L. LABEL AS WELL AS MEET ALL APPLICABLE NEMA REQUIREMENTS.
2. ALL PANELS SHALL HAVE TYPEWRITTEN CIRCUITS DIRECTORIES MOUNTED INSIDE OF DOOR.
3. PANELS SHALL BE SUITABLE FOR THE SERVICE RATING INDICATED ON THE PANEL SCHEDULES.
4. ALL BREAKERS SHALL BE FULL SPACE, INDIVIDUAL FRAME TYPE. NO "PIGGY BACK" OR TANDEM BREAKERS WILL BE PERMITTED.

E. SAFETY SWITCHES

1. SAFETY SWITCHES SHALL BE HEAVY DUTY TYPE FUSIBLE OR NON-FUSIBLE WITH POLES, AMPERE AND SERVICES RATINGS AS INDICATED ON THE PLANS. LUGS SHALL BE U.L. LISTED FOR CU. -AL.
2. ENCLOSURES FOR SAFETY SWITCHES SHALL BE NEMA 1, EXCEPT FOR SWITCHES MARKED "WP" (WEATHERPROOF) SHALL BE NEMA 3R.

F. FUSES

1. ALL FUSES SHALL HAVE A 200,000 AMP RMS SYMMETRICAL RATING UNLESS OTHERWISE NOTED.
2. FUSES RATED 0 TO 600 AMPS SHALL BE AS FOLLOW:
 - a) CIRCUIT BREAKER PANEL PROTECTION—U.L. CLASS RK-1, DUAL ELEMENT(BUSSMANN "LOW PEAK" OR EQUAL).
 - b) MOTOR CIRCUIT PROTECTION—U.L. CLASS RK-5, DUAL ELEMENT (BUSSMANN "FUSETRON" OR EQUAL).
3. FUSES RATED 601 AMPS OR LARGER SHALL BE U.L. CLASS L TIME DELAY (BUSSMANN "HI-CAP" OR EQUAL).

G. SITE VISIT

1. BEFORE SUBMITTING A BID THE CONTRACTOR SHALL VISIT THE SITE AND DETERMINE CONDITIONS AT THE SITE AND ALL EXISTING STRUCTURES IN ORDER TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND ELECTRICAL SYSTEMS WHICH WILL IN ANY WAY AFFECT THE WORK REQUIRED UNDER THE CONTRACT. THE CONTRACTOR SHALL INFORM THE ENGINEER IN WRITING OF ANY DISCREPANCIES FOUND DURING SAID SITE VISIT. NO SUBSEQUENT INCREASE IN CONTRACT COST WILL BE ALLOWED FOR ADDITIONAL WORK REQUIRED BECAUSE OF CONTRACTOR'S FAILURE TO FULFILL THIS REQUIREMENT.

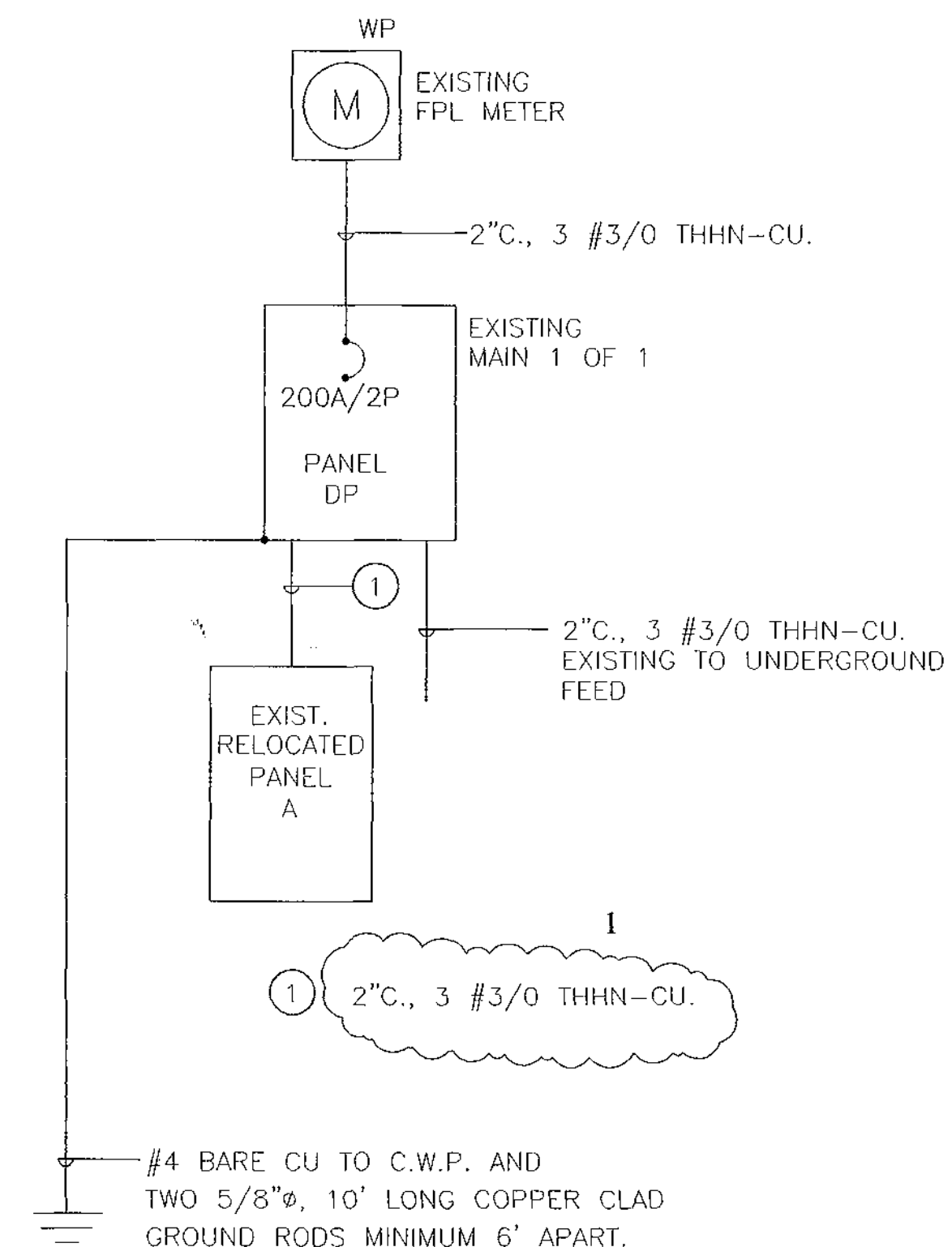
SYMBOL LEGEND

-  RECESSED DOWNLIGHT.
 WALL MOUNTED LIGHT FIXTURE
 SURFACE MOUNTED LIGHT FIXTURE.
 CHANDELIER.
 DUPLEX RECEPT. — NEMA 5—20R (18" A.F.F.TO CENTER)
 DUPLEX RECEPT. MOUNTED ABOVE COUNTER — NEMA 5—20R
 QUADRUPLEX RECEPT. — NEMA 5—20R.
 QUADRUPLEX RECEPT. FLOOR MOUNTED. — NEMA 5—20R.
 SINGLE RECEPT. — NEMA 5—20R (18" A.F.F.TO CENTER)
 SPECIAL RECEPT. — RATED AS NOTED.
 PANELBOARD (6"—0" AFF TO TOP)
 FPL ELECTRICAL METER.
 COMPUTER OUTLET (18" A.F.F. TO CENTER)
 HEAT LAMP
 MULTIPLE STATION SMOKE DETECTOR POWERED 120V AND PROVIDED WITH BATTERY BACKUP.
 CARBON MONOXIDE DETECTOR POWERED 120v AND PROVIDED WITH BATTERY BACKUP.
 CEILING MOUNTED EXHAUST FAN
 3100
100
FUSIBLE DISCONNECT SWITCH POLES, AMPS AND FUSES AS SHOWN NF INDICATES NON-FUSED
 MOTOR (1 PHASE)
 JUNCTION BOX
 SINGLE POLE SWITCH — 20 AMP (48" A.F.F.TO CENTER)
 THREE WAY SWITCH (48" A.F.F. TO CENTER)
 DIMMER SWITCH (48" A.F.F. TO CENTER)

NOTE: ALL SYMBOLS MAY NOT BE USED.

ELECTRICAL SUBMARKS

- | | |
|-----|--|
| E | EXIST. ELECTRICAL DEVICE |
| N | NEW ELECTRICAL DEVICE |
| ER | EXISTING ELECTRICAL DEVICE TO BE REMOVED |
| R | EXISTING ELECTRICAL DEVICE TO BE RELOCATED |
| WL | RATED FOR WET LOCATIONS |
| GFI | GROUND FAULT INTERRUPTER |
| WP | WEATHER PROOF |



ONE LINE DIAGRAM

Rhodes Residence
8 Farrey Lane
MIAMI BEACH, FL. 33139

PROJECT:

DRAWN BY :
R. FALLS

REVISIONS:

1 REVISIONS 03/09/2013

SCALE: 1"=1/4"

DATE: 01/17/2011

EC0002054
OMARULLAR

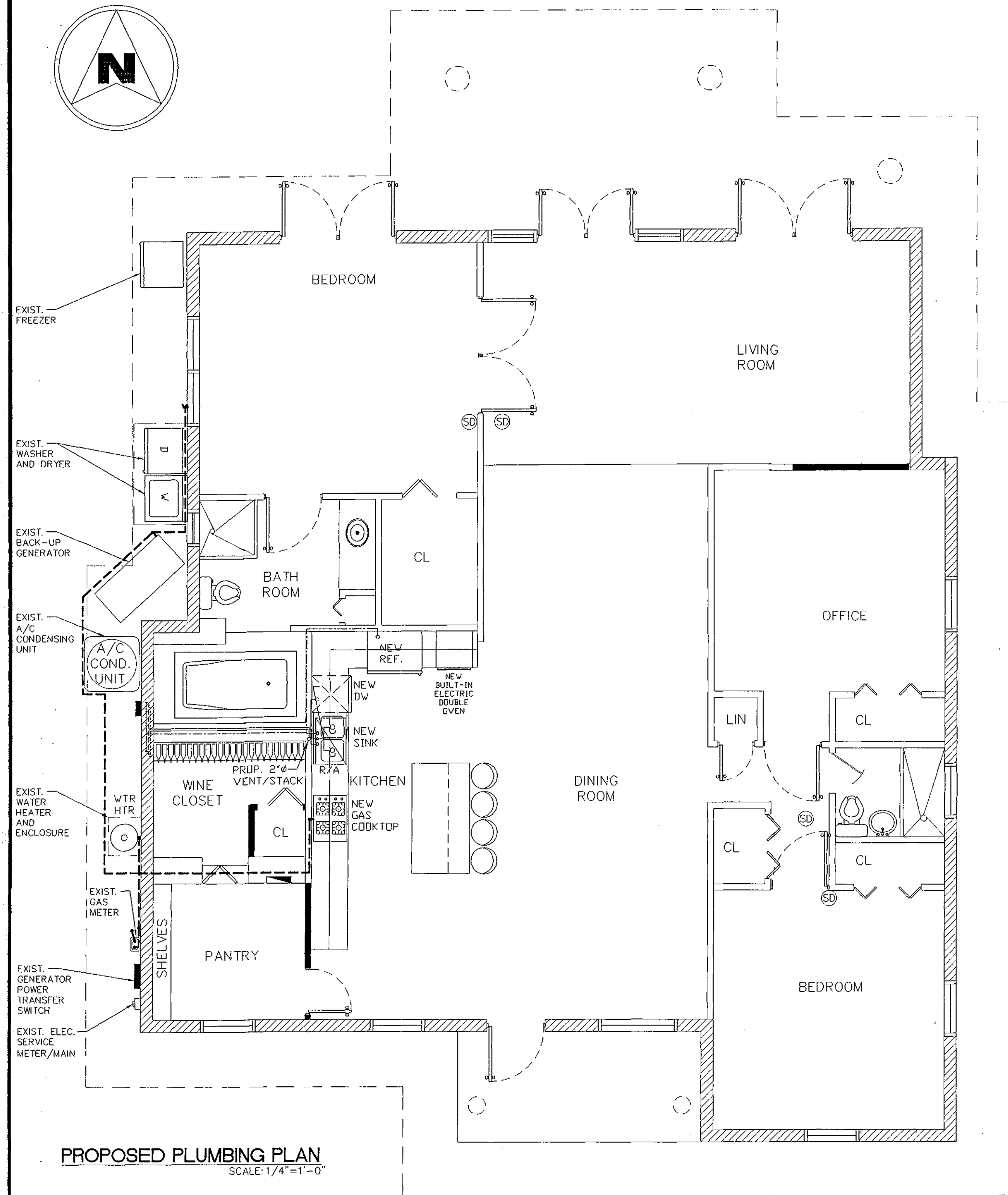
JOHN D. GAL
HARRIS, Iowa, 01
394

CONTAINS:

PROPOSED
INTERIOR
ELECTRICAL
PLAN

PAGE: #

E-1



PLUMBING FIXTURE OR FIXTURE FITTING	PLUMBING FIXTURE OR FIXTURE FITTING MAXIMUM FLOW RATE
WASHATORY FAUCET	1.0 GPM AT 60 PSI
SINK FAUCET	1.0 GPM AT 60 PSI
SHOWER HEAD	1.5 GPM AT 60 PSI
WATER CLOSET	1.20 GALLONS PER FLUSHING CYCLE

NOTE: THE MAXIMUM WATER CONSUMPTION FLOW RATES AND QUANTITIES FOR ALL PLUMBING FIXTURES, FIXTURE, FITTINGS AND APPLIANCES SHALL BE IN ACCORDANCE WITH TABLE 604.4 EFFECTIVE JANUARY 1, 2009

-
- Diagram illustrating the proposed plumbing layout for a kitchen sink and dishwasher, showing existing and proposed lines.
- EXISTING LINES:**
- EXIST. 1" COLD WATER LINE
 - EXIST. 1" HOT WATER LINE
 - EXIST. SINK, DISHWASHER AND REFRIG. & WATER LINES
- PROPOSED LINES:**
- NEW 1/2" COLD & HOT WATER CONNECT TO EXISTING LINES
 - PROP. 1/2" Ø HW (DISHWASHER)
 - PROP. 1/2" Ø HW & CW (KITCHEN SINK)
 - PROP. 1/2" Ø CW (REFRIG)
- NOTE:** REMOVE EXIST. SINK, DISHWASHER AND REFRIG. & WATER LINES

EXIST. 4" SANITARY LINE

PROP. 2" SANITARY LINE

PROP. 2" VENT/STACK

2" Ø

PROP. 1 1/2" Ø DISHWASHER

PROP. 1 1/2" Ø KITCHEN SINK

TURN HEAD PIPE DOWN INTO STACK

SHEET LEAD FLASHING IN W/ROOFING MATERIAL

ROOFING

ROOF CONSTRUCTION

SLEEVE ROOF CONSTRUCTION AS REQUIRED

VENT STACK

VENT THRU ROOF DETAIL

N.T.S.

Field Inspector: verify 5 PSI system + location of second stage regulators for all appliances. As 03/09/14

EXISTING 16kW BACK-UP GENERATOR 245,000 BTUs

NOTE: USED ONLY DURING POWER OUTAGE

EXISTING WATER HEATER

NEW GAS COOKTOP (REPLACES EXISTING GAS RANGE) 40 000 BTUs.

NEW GAS REGULATOR. CFH = 120

EXIST. 1/2"

EXIST. 1/2"

EXIST. 1 1/4"

EXIST. GAS METER W/ REGULATOR. CFH = 120

CUT OFF VALVE

CUT OFF VALVE

CUT OFF VALVE

TO STREET

EXIST. UNDERGROUND GAS MAIN

GAS RISER DIAGRAM

- 1 ALL WORK SHALL BE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2007, ASME CODE AND GAS REQUIREMENTS AND ALL OTHER APPLICABLE CODES.
- 2 CONTRACTOR SHALL VISIT THE JOB SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS.
- 3 ALL MATERIALS SHALL BE NEW
- 4 ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE.
- 5 ALL EXCAVATION AND BACKFILL AS REQUIRED FOR THIS PHASE OF CONSTRUCTION SHALL BE A PART OF THIS CONTRACT.
- 6 REQUIRED INSURANCE SHALL BE PROVIDED BY THE CONTRACTOR FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
- 7 CONTRACTOR SHALL SECURE AND PAY ALL PERMITS, FEES, INSPECTION AND TEST.
- 8 DRAWINGS ARE DIAGRAMMATIC. DO NOT SCALE FOR EXACT LOCATION OF FIXTURES, PIPING, EQUIPMENT, ETC.
- 9 ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION. REPORT ANY DISCREPANCY TO ENGINEER/ARCHITECT PRIOR TO BEGINNING CONSTRUCTION.
- 10 VERIFY LOCATION, SIZE, INVERTS AND ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION. ADVISE ENGINEER OF ANY DISCREPANCIES.
- 11 WATER PIPING SHALL BE TYPE "L" COPPER FOR 2" AND UNDER AND TYPE "K" COPPER FOR 2 1/2" AND ABOVE. ALL UNDERGROUND WATER PIPING SHALL BE TYPE "K" COPPER.
- 12 SOIL, WASTE, VENT AND RAIN WATER PIPING SHALL BE SCHEDULE 40 PVC PIPE AND BELOW GROUND SHALL BE OF THE HUB AND SPIGOT TYPE.
- 13 ALL FIXTURES MUST BE PROVIDED WITH READILY ACCESSIBLE STOPS AND MARKED ACCESS PANELS.
- 14 FURNISH AND INSTALL APPROVED AIR CHAMBERS AT EACH PLUMBING FIXTURE AND P.O.I. APPROVED SHOCK ARRESTORS ON MAIN LINES OR RISERS.
- 15 DIELECTRIC COUPLINGS ARE REQUIRED BETWEEN ALL DISSIMILAR METAL IN PIPING AND EQUIPMENT CONNECTIONS.
- 16 ISOLATE COPPER PIPE FROM HANGER OR SUPPORT WITH ISOLATOR PAD (HAIR FELT LINING) SUPER STRUT MODEL C/15/16.
- 17 ALL RATED FLOOR AND WALL PENETRATIONS (NO PVC) SHALL HAVE FIRE, SMOKE AND WATER STOPS BY FILLING VOIDS BETWEEN PIPE AND WALL/FLOOR SLEEVES WITH FIRE RATED FOAM. CHASE TECHNOLOGY CORP. -CIC PR 855 OR 3M, CP-25 CAULKING OR 303 PUTTY, TO ACHIEVE SAME RATING AS WALLS OR FLOORS.
- 18 CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN (1) YEAR FROM DATE FOR ACCEPTANCE. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED.
- 19 PROVIDE ACCESS PANELS FOR ALL CONCEALED VALVES AND ALL WATER HAMMER ARRESTORS. ACCESS PANELS IN RATED WALLS MUST MAINTAIN THE SAME RATING. ALL ACCESS PANELS MUST MATCH THE FINISH OF THE WALL IN WHICH IT IS INSTALLED.
- 20 CONTRACTOR SHALL PROVIDE COMBINATION COVER PLATE AND CLEANOUT PLUG FOR ALL WALL CLEANOUTS -- JOSAM 58890 SERIES.
- 21 PLUMBING FIXTURES SHALL COMPLY WITH REFERENCED STANDARDS AS PER FBC PLBG 406 THROUGH 421.

DESCRIPTION	WASTE	CW	HW	FU
WATER CLOSET	3"	1/2"	●	4
TUBS	2"	1/2"	1/2"	2
LAVS	1-1/2"	1/2"	1/2"	1
KIT, SINK	1-1/2"	1/2"	1/2"	2
WASHING MACHINE	2"	1/2"	1/2"	4
DISHWASHER	1-1/2"	●	1/2"	2

SIZE (INCHES)	MINIMUM SLOPE (INCH PER FOOT)
2 1/2 OR LESS	1/4
3 TO 6	1/8
8 OR LARGER	1/16

TABLE 704.1 OF THE FLORIDA PLUMBING CODE 2007

18-03/09/11

DATE:	01/17/2011
-------	------------

PAGE: #
P-1

B1101995
8707070707
Office Copy

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

BUILDING:	<u>2/10/11</u>
ZONING:	<u>3/10/11</u>
DISTRICT:	
CONCRETE:	
ELECTRICAL:	<u>2/29/11</u>
MECHANICAL:	<u>3/10/11</u>
FIRE PROTECTION:	
ENGINEERING:	<u>1/10/11</u>
PUBLIC WORKS:	<u>B. Duval 3/10/11</u>
STRUCTURAL:	<u>4/10/11</u>
ELEVATOR:	

Small



NEWDOC

00118-2 B1A51003455

B1004195

SKETCH OF BOUNDARY SURVEY

SCALE 1" = 20'

Surveyor's Note Indicating Possible Width of Easement By Plat Running North-South along East Boundary Line:

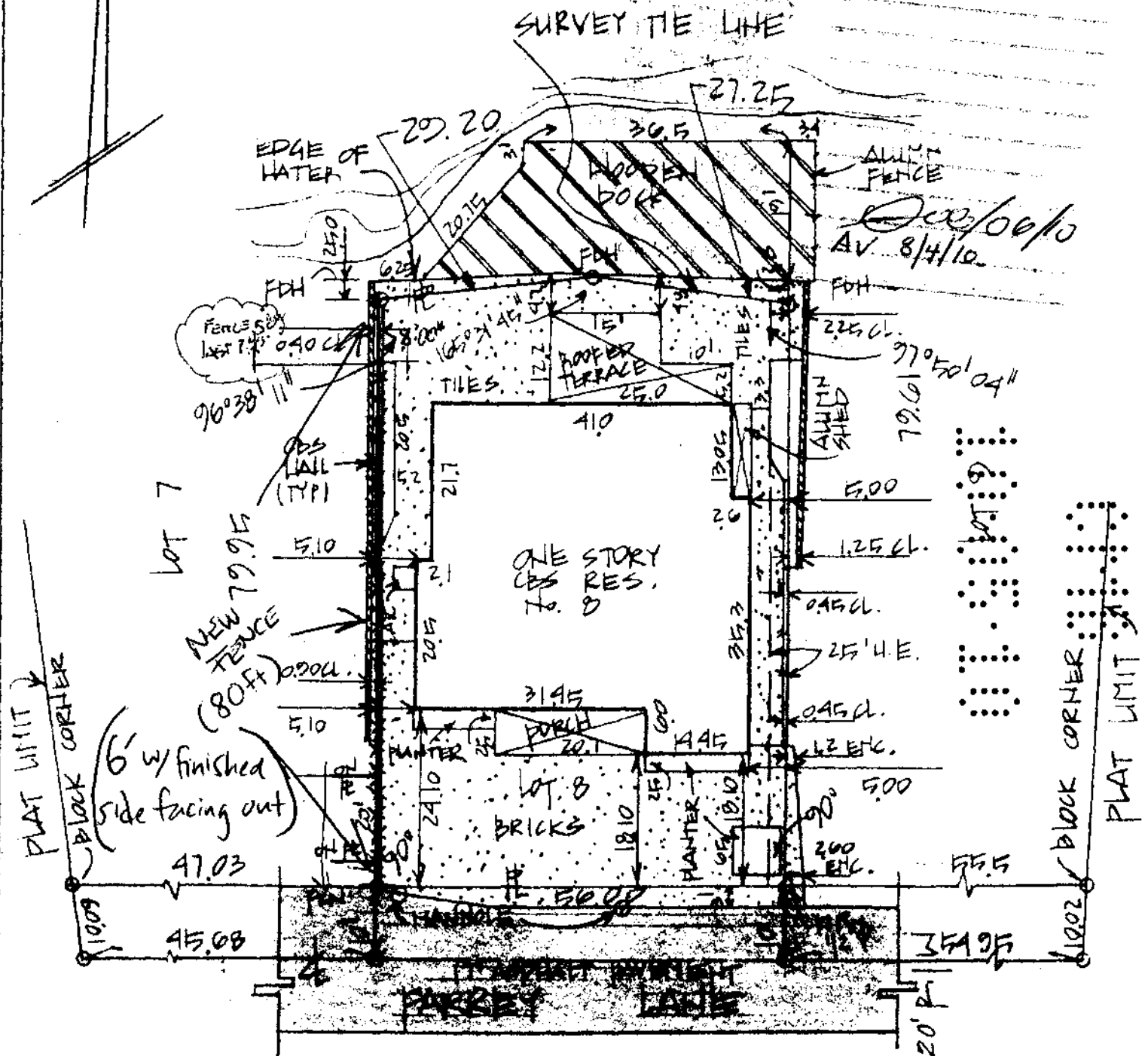
- (1) By Indicating Arrows, 5 feet
- (2) By Scale 2.5 feet

-- This Survey Show 2.5 feet in Width (By Scale) --

DISCAYNE BAY

10/5/10

SURVEY TIE LINE

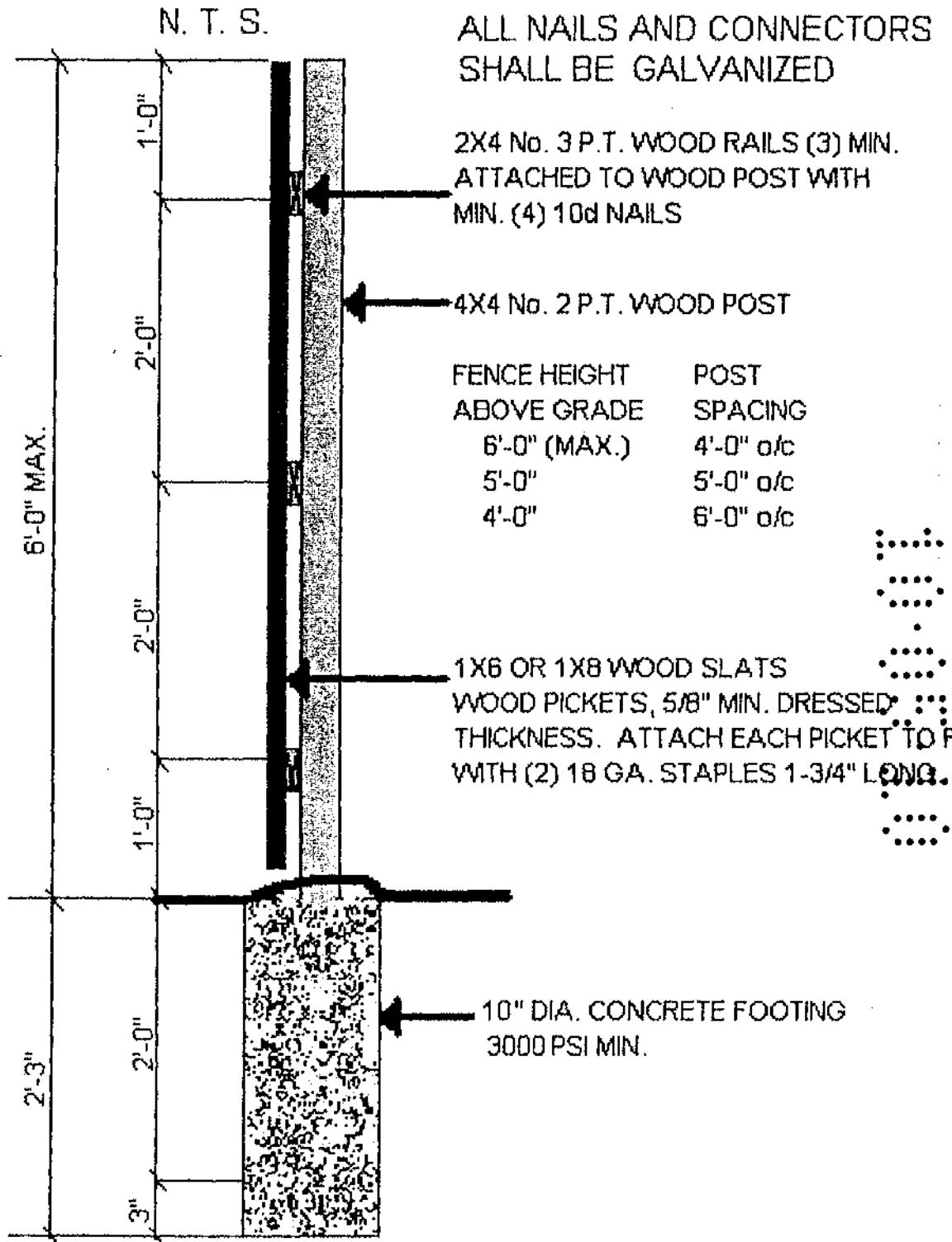


BEARINGS HEREON (IF ANY) ARE REFERRED TO AN ASSUMED VALUE OF _____ FOR THE _____
 SAID BEARING IS IDENTICAL WITH THE PLAT OF RECORD
 ACCORDING TO THE N.E.P. THE SUBJECT PROPERTY FALLS WITHIN FLOOD ZONE: AE

B1004195

Florida Building Code
Section 2328

Wood Fence Design Detail



LEGAL DESCRIPTION

LOT 8

BLOCK _____

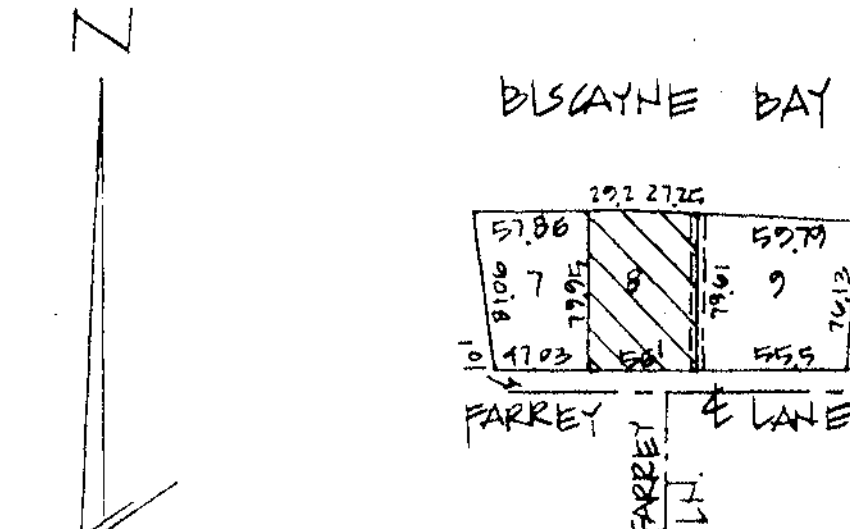
SUBDIVISION: SECOND SECTION BELLE ISLE VILLAS

ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 42 AT PAGE 100

OF THE PUBLIC RECORDS OF DADE COUNTY, FLORIDA.

LOCATION SKETCH

SCALE 1" = 100'



PIES NO. 8 FARREY LANE MIAMI BEACH, FL 33139

STEVEN M. RHODES,
NORMAN S. WEIDER,
CHICAGO TITLE INSURANCE COMPANY,
AAMES FUNDING CORPORATION,
ITS SUCCESSORS AND/OR ASSIGNS

SURVEY CERTIFY TO:

THE ATTACHED SKETCH OF BOUNDARY SURVEY OF THE ABOVE DESCRIBED PROPERTY IS A TRUE AND CORRECT REPRESENTATION OF A SURVEY MADE UNDER MY DIRECTION AND MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 61G17-5 FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.02, STATUTES.

FOR: STEVEN M. RHODES

JOB NUMBER 0007-03 DRAWN BY: S.A.

F.B. NO. 51-65 CHECKED BY: E.B.

DATE OF THE FIELD SURVEY 7-06-2000

REVISION DATE: _____

SURVEYOR'S NOTES:

LEGAL DESCRIPTION WAS FURNISHED BY CLIENT.
NO UNDERGROUND INSTALLATIONS OR IMPROVEMENTS HAVE BEEN LOCATED, EXCEPT AS NOTED.
THERE ARE NO VISIBLE ENCROACHMENTS OTHER THAN THOSE SHOWN.
EXAMINATION OF THE ABSTRACT OF TITLE WILL HAVE TO BE MADE TO DETERMINE RECORDED INSTRUMENT, AFFECTING THIS PROPERTY.
FENCE OWNERSHIP BY VISUAL MEANS ONLY (IF ANY), LEGAL OWNERSHIP NOT DETERMINED.
LEGAL DESCRIPTION SUBJECT TO ANY DEDICATION, LIMITATIONS, RESTRICTIONS, RESERVATIONS OR EASEMENTS OF RECORDS.

E. BELTRAM & ASSOCIATES, INC.
12533 S.W. 30th STREET
MIAMI, FLORIDA 33175
PHONE: (305) 552-7450
CERTIFICATE OF AUTHORIZATION NUMBER LB 5233

ABBREVIATIONS (IF ANY APPLIED)			
CL	WATER LINE	CL	WATER LINE
E	PROPERTY LINE	ENC.	ENCROACHMENT
R/W	RIGHT-OF-WAY	C.B.S.	CONCRETE BLOCK STRUCTURE
C.L.F.	CHAIN LINK FENCE	CONC.	CONCRETE
W.F.	WOODEN FENCE	Ø	DIAMETER
RES.	RESIDENCE	D.M.E.	DRAINAGE MAINTENANCE EASMT.
F.I.P.	FOUND IRON PIPE	S.I.P.	SET IRON PIPE
S.R.B.	SET REBAR	F.D.H.	FOUND DRILL HOLE
C.B.	CHORD BEARING	A/C	AIR CONDITIONING UNIT
MEAS.	MEASURED	REC.	RECORDED
S.N.D.	SET NAIL & DISC	F.M. & D.	FOUND NAIL & DISC
R.M.	ROUND NAIL	F.C.H.	FOUND CUT HOLE
U.E.	UTILITY EASEMENT	W.M.E.	WATER MAIN EASEMENT
M.	MEASUREMENT	M.	MEASUREMENT
PROP. COR.	PROPERTY CORNER	F.M.	FIRE HYDRANT
EASMT.	EASEMENT	S.R.B.	SET REBAR
F.S.	FOUND SPIKE	S.D.H.	SET DRILL HOLE
RAID	RAID	CALC.	CALCULATED
F.	FOUND	F.S.	FOUND SPIKE
		RAID	RAID
		F.	FOUND
			(TYP) TYPICAL

ERNESTO BELTRAM
PROFESSIONAL SURVEYOR & MAPPER NO. 4885
STATE OF FLORIDA
DATE: 7-6-2000

NOTE: THIS IS NOT A FINAL SURVEY WITHOUT THE ORIGINAL SURVEYOR SEAL AND SIGNATURE OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

0102-08-06-2010
AV 8/4/10

7/18/10

BDD4195
Farrey LA
OFFICE

08

0102-08-06-2010

NOTICE: PRIOR TO EXCAVATING
CONTACT STATE CALL FOR LOCATION
OF UNDERGROUND UTILITIES
SUNSHINE ONE-CALL 1-800-433-4779
CITY OF MIAMI DEPT. 305-673-7028

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.)

B1101870

MIAMI-DADE COUNTY
BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

PGT Industries
1070 Technology Drive,
Nokomis, FL 34275

SCOPE:

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

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

DESCRIPTION: Series "FD-101" Outswing Aluminum French Door w/ Sidelites

APPROVAL DOCUMENT: Drawing No. 11005-1, titled "Aluminum French door & Sidelite-Impact", sheets 1 through 10 of 10, prepared by manufacturer, dated 02-22-06 and last revised on 09/25/07, signed and sealed by Robert L. Clark, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant
Limitation:

1. Use of Table 1, require full length reinforcement for OX, XO, XXO, OXX, OXO and OXXO. The lower design pressure from X, XX doors or O (sidelite) shall control.
2. Egress operable doors must comply with min. clear width per FRC, as applicable.

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

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

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

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

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 as well as evidence sheet E-1 and approval document mentioned above. The submitted documentation was reviewed by Ishaq I. Chanda, P. E.



9/27/11

NOA No. 07-0629.10
Expiration Date: October 18, 2012
Approval Date: October 18, 2007
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. 11005-1, titled "Aluminum French door & Sidelite-Impact", sheets 1 through 10 of 10, prepared by manufacturer, dated 02-22-07 and last revised on 09/25/07, signed and sealed by Robert L. Clark, P.E.

B. TESTS

- Test report on
- 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94.
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94

Along with marked-up drawings and installation diagram of aluminum out swinging French door w/ sidelites, prepared by Fenestration Testing Laboratory, Inc., Test Report No FTL-5212, dated May 05, 2007, signed and sealed by Carlos S. Rionda, P.E.

C. CALCULATIONS

1. Anchor verification and comparative analysis dated 06-21-07 and last revised on 09/25/07, prepared by PGT, signed and sealed by Robert L. Clark, P.E.
2. Glazing complies with ASTM E-1300-02

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

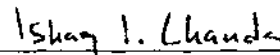
1. Notice of Acceptance No. **05-1208.02** issued to "E.I. DuPont Denemours" for "DuPont Butacite ® PVB" dated 02/15/01, expiring on 12/11/10.
2. Notice of Acceptance No. **03-0827.08** issued to Solutia Inc, for "Solutia Interlayer for laminated glass", expiring on 03/04/09.

F. STATEMENTS

1. Statement letter of conformance and no financial interest, dated 06-21-07, signed by Robert L. Clark, P.E.
2. Letter of lab compliance, part of the above test reports.

G. OTHER

1. Test proposal dated Jan. 18, 2007 approved by BCCO.


Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 07-0629.10
Expiration Date: October 18, 2012
Approval Date: October 18, 2007

NOTES: OUTSWING IMPACT FRENCH DOOR(S) AND SIDE LITE(S)

1. GLAZING OPTIONS:

- 3/8" LAMI NOM. (.402") CONSISTING OF (1) LITE OF 1/8" ANNEALED GLASS PLUS AN .090 PVB INTERLAYER OF DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PLUS (1) LITE OF 3/16" HEAT STRENGTHENED GLASS.
- 3/8" LAMI NOM. (.402") CONSISTING OF (1) LITE OF 1/8" HEAT STRENGTHENED GLASS PLUS AN .090 PVB INTERLAYER OF DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PLUS (1) LITE OF 3/16" HEAT STRENGTHENED GLASS.
- 7/16" LAMI NOM. (.465") CONSISTING OF (1) LITE OF 3/16" ANNEALED GLASS PLUS AN .090 PVB INTERLAYER OF DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PLUS (1) LITE OF 3/16" HEAT STRENGTHENED GLASS.
- 7/16" LAMI NOM. (.465") CONSISTING OF (1) LITE OF 3/16" HEAT STRENGTHENED GLASS PLUS AN .090 PVB INTERLAYER OF DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PLUS (1) LITE OF 3/16" HEAT STRENGTHENED GLASS.

2. DESIGN PRESSURES: SEE TABLES 1 AND 2 ON SHEET 2.

- NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E 1300-02.
- POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E 1300-02.

3. CONFIGURATIONS: X, O, XX, XO, OX, XXO, OXX, OXO, AND OXXO.

4. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS, SHALL MEET THE REQUIREMENTS OF THE FBC, CURRENT EDITION. FOR ANCHORAGE REQUIREMENTS SEE SHEETS 8 THROUGH 10.

5. SHUTTERS ARE NOT REQUIRED.

6. SEALANT: INSTALLATION SCREWS, FRAME AND PANEL CORNERS SEALED WITH CLEAR COLORED SEALANT.

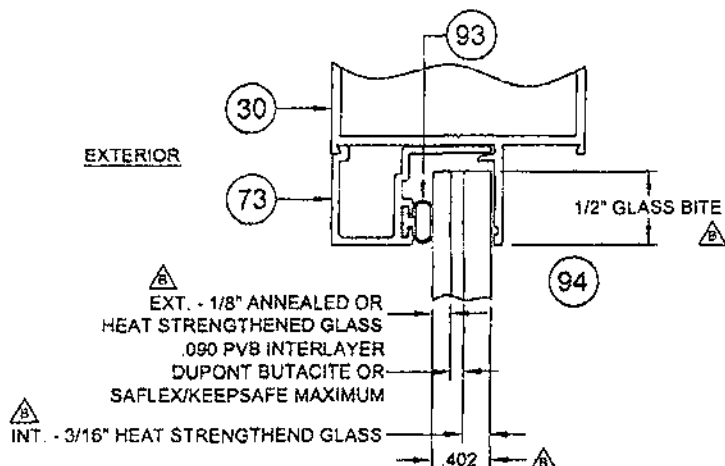
7. REFERENCES:

TEST REPORT FTL-5212, ELCO TEXTRON NOA: 04-0721.01, 03-0225.05, ANSI/AF&PA NDS-2005 FOR WOOD CONSTRUCTION AND ADM-2005 ALUMINUM DESIGN MANUAL.

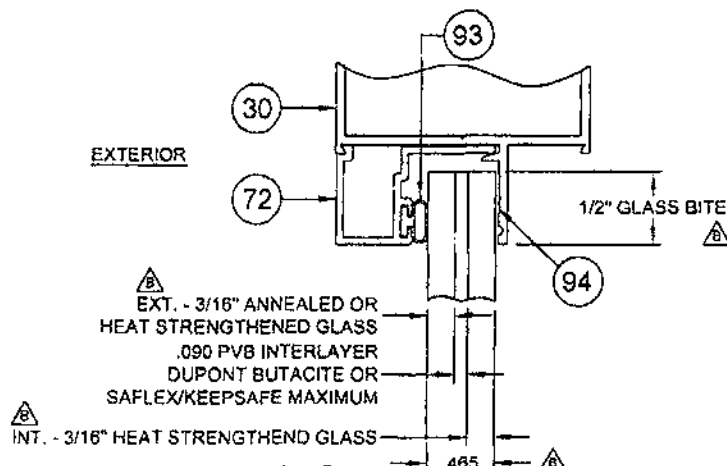
8. THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, CURRENT EDITION INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

9. CONFIGURATIONS WHICH CONTAIN A SIDE LITE TO DOOR CONNECTION:

- THE LOWER DESIGN PRESSURE FROM TABLE 1, OR 2, PREVAILS.
- FULL LENGTH REINFORCEMENT (ITEM 22 SHOWN IN SECTION E-E, SHEET 5), IS REQUIRED ONLY AT ALL DOOR TO SIDE LITE CONNECTIONS FROM TABLE 1., SHT. 2. REFER TO TABLE 2, SHT. 2 FOR DOOR TO SIDE LITE CONNECTIONS WHICH DO NOT REQUIRE ITEM 22 REINFORCEMENT.



3/8" LAMI NOM.
GLAZING OPTION A OR B, NOTE 1



7/16" LAMI NOM.
GLAZING OPTION C OR D, NOTE 1

NOA DRAWING MAP

TOPIC	SHEET
GENERAL NOTES.....	1
CONFIGURATIONS.....	1
GLAZING DETAILS.....	1
DESIGN PRESSURES.....	2
ELEVATIONS.....	3
VERT. SECTIONS.....	4
HORIZ. SECTIONS.....	5
PARTS LIST.....	6
EXTRUSIONS.....	6, 7
ANCHORAGE.....	8-10

Approved as complying with the
Florida Building Code
Date: 02-16-07
NOA# 07-0629.10
Miami Dade Product Control
Division
By: Ismael J. Chavira

Handwritten signature
4/25/07

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

Revised By:	Date:	Revisions:
Revised By: F.K.	Date: 5/18/07	Revisions: B
Revised By: F.K.	Date: 8/14/07	Revisions: A
Drawn By: F.K.	Date: 2/22/07	Checked By: J.J.

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1520
NOKOMIS, FL 34275

PGI
Virtually Better

Revised By:	Date:	Revisions:
Revised By: F.K.	Date: 5/18/07	Revisions: B
Revised By: F.K.	Date: 8/14/07	Revisions: A
Drawn By: F.K.	Date: 2/22/07	Checked By: J.J.

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1520
NOKOMIS, FL 34275

PGI
Virtually Better

ALUM. FRENCH DOOR & SIDE LITES, IMPACT

FD101 1x 1 of 10 11005-1 B

TABLE 1. DESIGN PRESSURES FOR ALL CONFIGURATIONS

△ APPROVED CONFIGURATIONS: X, XX, O, OX, XO, OXO, XXO, OXX & OXXO
(FOR DOORS W/ SIDE LITES THE LOWER DP FOR THE DOOR OR SIDE LITE PREVAILS)
REINFORCEMENT IS REQUIRED AT DOOR & SIDE LITE CONNECTIONS

		DOORS WITH GLASS TYPES A, B, C OR D									
		HEIGHT									
X WIDTH	XX WIDTH	6 ⁸ - 79 3/4"	7 ⁰ - 83 3/4"	87 3/4"	91 3/4"	8 ⁰ - 95 3/4"					
3 ⁰ 37 1/2"	6 ⁰ 71 3/4"	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0
		SINGLE SIDE LITES WITH GLASS TYPE A									
O WIDTH		27 3/4"	36 1/8"	36 3/4"							
		+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0
		+75.0	-75.0	+75.0	-75.0	+71.4	-71.4	+67.6	-67.6	+64.2	-64.2
		+75.0	-75.0	+74.9	-74.9	+70.4	-70.4	+66.6	-66.6	+63.1	-63.1
		SINGLE SIDE LITES WITH GLASS TYPES B, C OR D									
O WIDTH		36 3/4"	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	-75.0

TABLE 2. DESIGN PRESSURES FOR COMBINED DOOR / SIDE LITES ONLY

△ APPROVED CONFIGURATIONS: OX, XO, OXO, XXO, OXX & OXXO
(THE LOWER DP FOR THE DOOR OR SIDE LITE PREVAILS.)
REINFORCEMENT IS NOT REQUIRED AT DOOR & SIDE LITE CONNECTION

		GLASS TYPES A, B, C OR D									
		HEIGHT									
X WIDTH	XX WIDTH	6 ⁸ - 79 3/4"	7 ⁰ - 83 3/4"	87 3/4"	91 3/4"	8 ⁰ - 95 3/4"					
2 ⁰ 25 1/2"	4 ⁰ 47 3/4"	+58.6	-58.6	+55.4	-55.4	+52.4	-52.4	+49.8	-49.8	+47.4	-47.4
27 1/2"	51 3/4"	+54.9	-54.9	+51.8	-51.8	+49.0	-49.0	+46.5	-46.5	+44.3	-44.3
29 1/2"	55 3/4"	+51.7	-51.7	+48.8	-48.8	+46.1	-46.1	+43.8	-43.8	+41.6	-41.6
2 ⁶ 31 1/2"	5 ⁰ 59 3/4"	+49.0	-49.0	+46.2	-46.2	+43.6	-43.6	+41.4	-41.4	+39.3	-39.3
2 ⁸ 33 1/2"	5 ⁴ 63 3/4"	+43.1	-43.1	+43.1	-43.1	+41.5	-41.5	+39.3	-39.3	+37.3	-37.3
35 1/2"	67 3/4"	+38.1	-38.1	+38.1	-38.1	+38.1	-38.1	+37.5	-37.5	+35.6	-35.6
3 ⁰ 37 1/2"	6 ⁰ 71 3/4"	+34.0	-34.0	+34.0	-34.0	+34.0	-34.0	+34.0	-34.0	+34.0	-34.0
		SINGLE SIDE LITE									
O WIDTH		10 3/4"	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	-75.0
		12 3/4"	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	-75.0
		19"	+72.4	-72.4	+68.5	-68.5	+65.0	-65.0	+61.9	-61.9	+59.0
		21 3/4"	+64.5	-64.5	+61.0	-61.0	+57.8	-57.8	+55.0	-55.0	+52.4
		27 3/4"	+52.9	-52.9	+49.9	-49.9	+47.2	-47.2	+44.7	-44.7	+42.6
		36 1/8"	+35.2	-35.2	+35.2	-35.2	+35.2	-35.2	+35.2	-35.2	+34.4
		36 3/4"	+34.0	-34.0	+34.0	-34.0	+34.0	-34.0	+34.0	-34.0	+34.0

NOTES:

- △ 1. GLASS TYPES:
A. 3/8" LAMI (1/8" A, .090 PVB, 3/16" HS)
B. 3/8" LAMI (1/8" HS, .090 PVB, 3/16" HS)
C. 7/16" LAMI (3/16" A, .090 PVB, 3/16" HS)
D. 7/16" LAMI (3/16" HS, .090 PVB, 3/16" HS)
- △ 2. COMBINED DOOR & SIDE LITE WIDTHS FOR TABLE 1 OR 2.
MAX. OX/XO WIDTH = 73 1/2"
MAX. OXO WIDTH = 109 1/2"
MAX. XXO/OXX WIDTH = 107 3/4"
MAX. OXXO WIDTH = 143 3/4"
3. SINGLE DOORS 33 5/8" WIDE OR OVER AND THE OPERABLE PANEL OF DOUBLE DOORS 64 1/8" WIDE OR OVER FROM EITHER TABLE COMPLY WITH THE EGRESS REQUIREMENTS OF THE FBC, CURRENT EDITION. NARROWER DOORS MAY BE USED WHERE EGRESS IS NOT REQUIRED BY CODE.
4. DESIGN PRESSURES UNDER 40 P.S.F. ARE NOT APPLICABLE IN MIAMI-DADE COUNTY.
- △ 5. EXAMPLES OF COMBINED DOOR AND SIDE LITE DESIGN PRESSURES:
EX. A FROM TABLE 1.
OXO WITH GLASS TYPE A
30" WIDE x 90" HIGH SINGLE DOOR WITH 28" SIDE LITES
DESIGN PRESSURE = +67.6 / -67.6 PSF
EX. B FROM TABLE 1.
OXXO WITH GLASS TYPE A
68" WIDE x 85" HIGH DOUBLE DOOR WITH 36 1/2" SIDE LITES
DESIGN PRESSURE = +70.4 / -70.4 PSF
EX. C FROM TABLE 2.
OXO WITH GLASS TYPE C
30" WIDE x 87 3/4" HIGH SINGLE DOOR WITH 28" SIDE LITES
DESIGN PRESSURE = +43.6 / -43.6 PSF
EX. D FROM TABLE 2.
OXXO WITH GLASS TYPE C
63 3/4" WIDE x 80" HIGH DOUBLE DOOR WITH 28" SIDE LITES
DESIGN PRESSURE = +43.1 / -43.1 PSF
- △ 6. FOR COMBINED DOOR AND SIDE LITES FROM TABLE 1, WHICH REQUIRED REINFORCEMENT AT DOOR TO SIDE LITE CONNECTION SEE SECTION E-E, SHEET 5 FOR REINFORCEMENT DETAIL.

Approved as complying with the
Florida Building Code
Date: Oct 18, 2007
NOA# 07-0629-10
Miami Dade Product Control
Division
By: Robert L. Clark

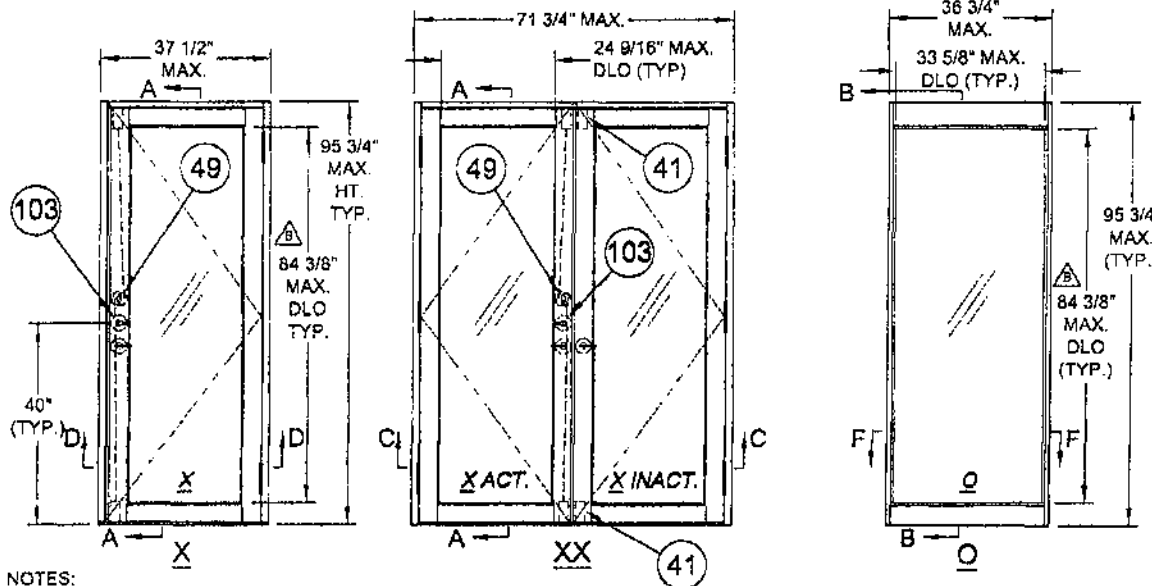
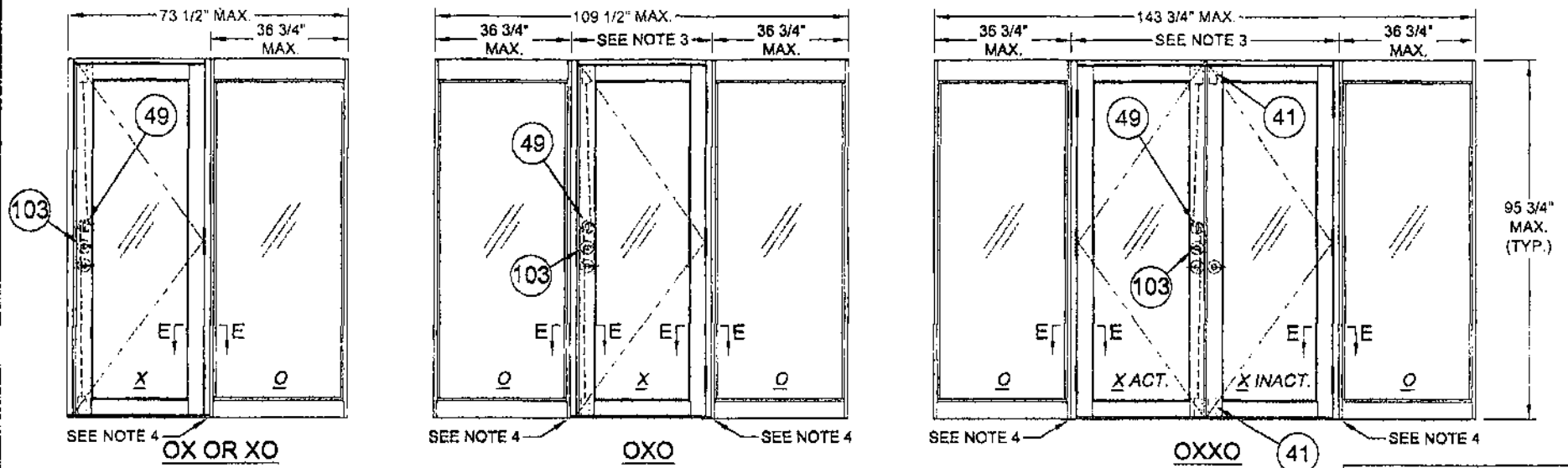
Robert L. Clark, P.E.
PE #39712
Structural

Revised By:	Date:	Revisions:
F.K.	8/18/07	8. REVISED TABLE 2. DESIGN PRESSURES AND CLARIFIED NON- REINF. VERSION COMBINE GLASS TYPES & MAX SIZES INTO NOTES & ADD NOTES 5 & 6.
F.K.	8/14/07	A. REVISE NOTE 1, 2 & 3. ADD NOTATIONS TO TABLE 1 AND 2. REDUCE MAX. SIZE DESIGN PRESSURE AND ADJUST. ALL DPS FOR TABLE 2
Drawn By:	Date:	Checked By:
F.K.	2/22/07	J.J.

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 32475
P.O. BOX 100
NOKOMIS, FL 32474



DESIGN PRESSURES					
ALUM. FRENCH DOOR & SIDE LITES, IMPACT					
Product	Size	Count	Ordering No.	Rev.	
FD101	1x	2 = 10	11005-1	B	



DOOR
 DLO HEIGHT = HEIGHT - 11 3/8" Δ
 DLO WIDTH 'X' = DOOR WIDTH - 12 15/16"
 DLO WIDTH 'XX' = DOOR WIDTH/2 - 11 5/16"

SIDE LITE
 DLO HEIGHT = HEIGHT - 11 3/8" Δ
 DLO WIDTH = WIDTH - 3 1/8"

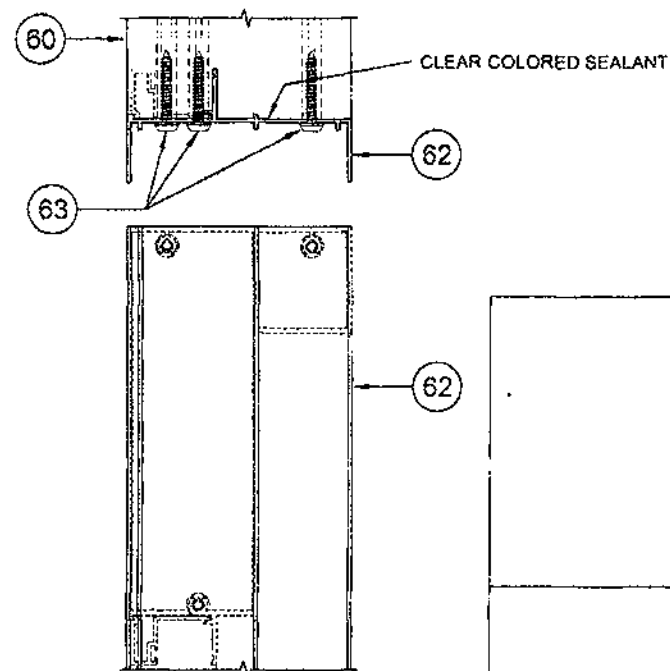
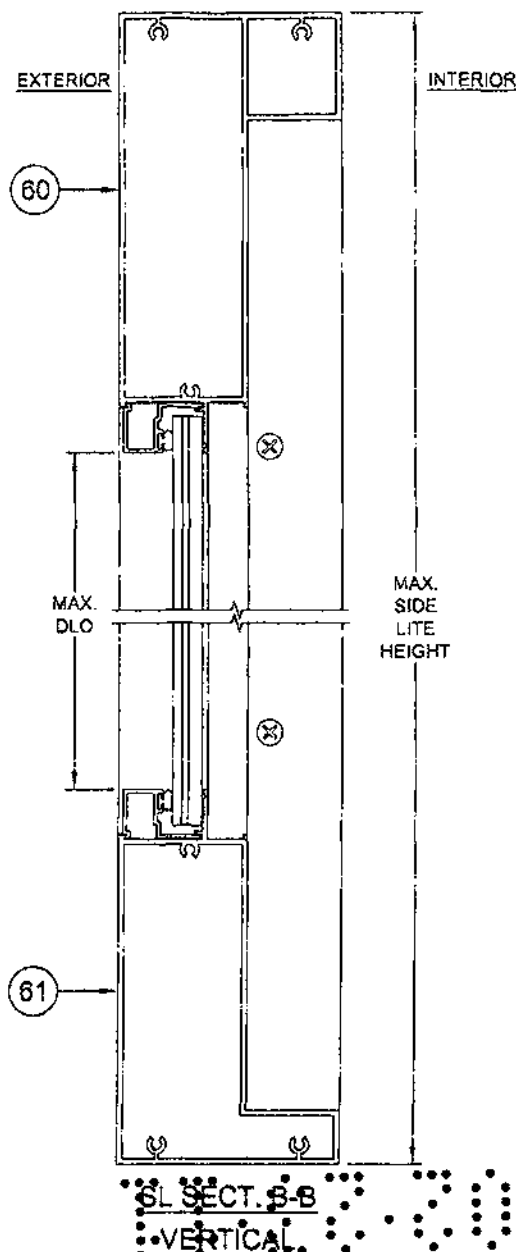
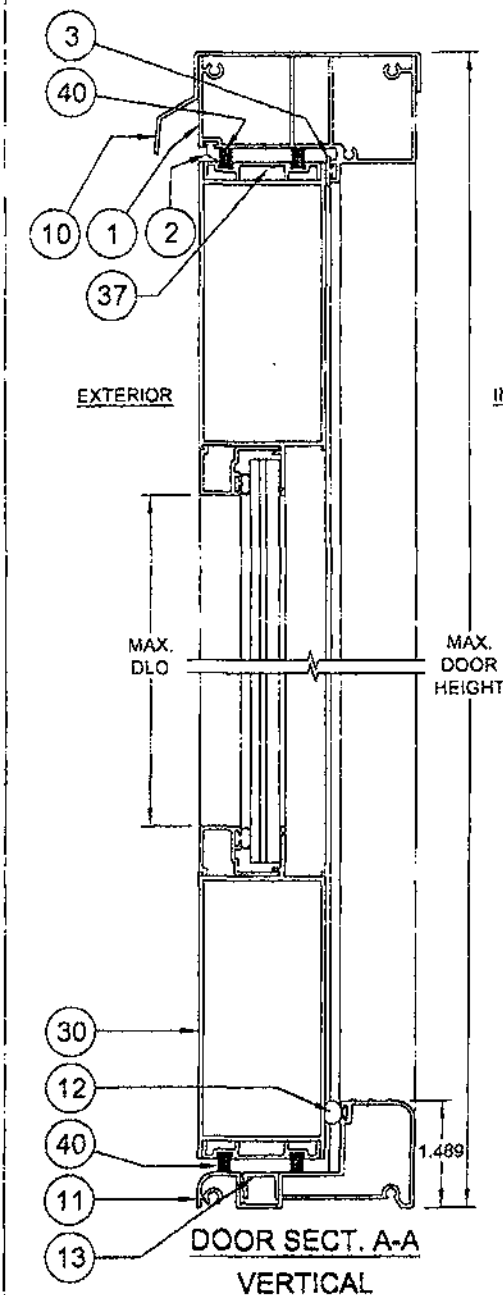
NOTES:

1. FOR ANCHORAGE DETAILS SEE SHEETS 8 THROUGH 10.
2. FOR HORIZONTAL AND VERTICAL SECTIONS SEE SHEETS 4 AND 5.
3. SIDE LITES OVERLAP 'X' AND 'XX' DOORS BY 3/4" WHEN ASSEMBLED TO MAKE 'XO', 'OX', 'OXO', 'XOX', 'OXX', 'OXOX', 'XXOX' CONFIGURATIONS.
4. REINFORCEMENT LOCATION FOR SIDE LITE TO DOOR CONNECTIONS (SEE APPLICABILITY SHEET 2).
5. CLEAR OPENING FOR 'X' AND 'XX' DOORS AS FOLLOWS: ('X' DOORS = WIDTH - 5 5/8") ('XX' DOORS = DOOR WIDTH/2 - 4 0/8")

Revised By:	Date:	Revised By:	Date:	1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275	PGI Visibly Better	Drawn By:	Date:	Sheet:	Drawing No.	Rev:
Revised By:	Date:	Revised By:	Date:			Drawn By:	Date:	Sheet:	Drawing No.	Rev:
F.K.	8/18/07	Revised By:	Date:			Drawn By:	Date:	Sheet:	Drawing No.	Rev:
F.K.	8/14/07	Revised By:	Date:			Drawn By:	Date:	Sheet:	Drawing No.	Rev:
F.K.	2/22/07	Revised By:	Date:			Drawn By:	Date:	Sheet:	Drawing No.	Rev:

Approved by: [Signature]
 Date: 07-18-2007
 07-0629.10
 [Signature]
 [Signature]

[Signature]
 9/25/07
 Robert L. Clark, P.E.
 PE #39712
 Structural



Approved as complying with the
Florida Building Code
Date OCT 18, 2007
NOAS 07-0629-10
Miami Dade Product Control
Division
By Chag L. Chanda

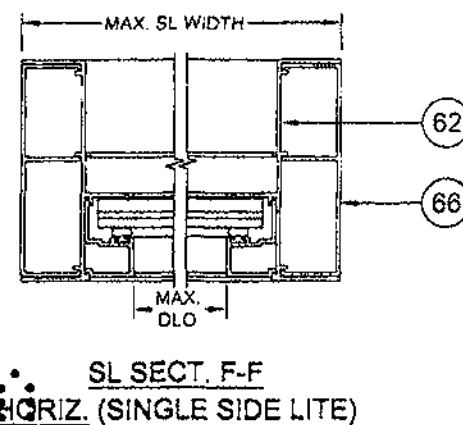
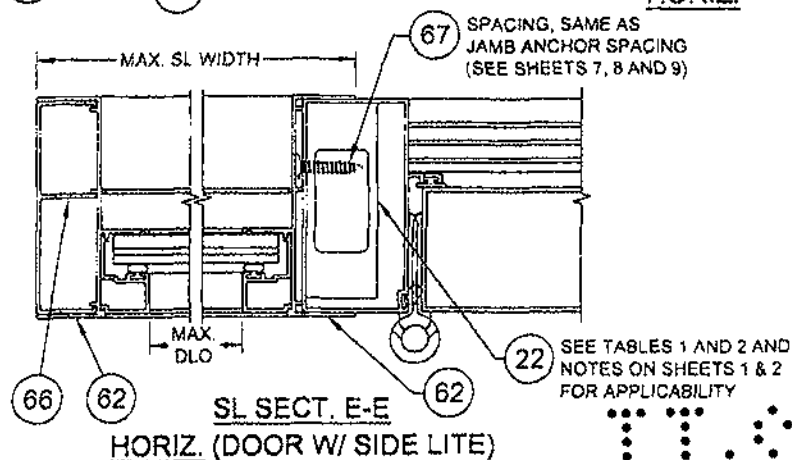
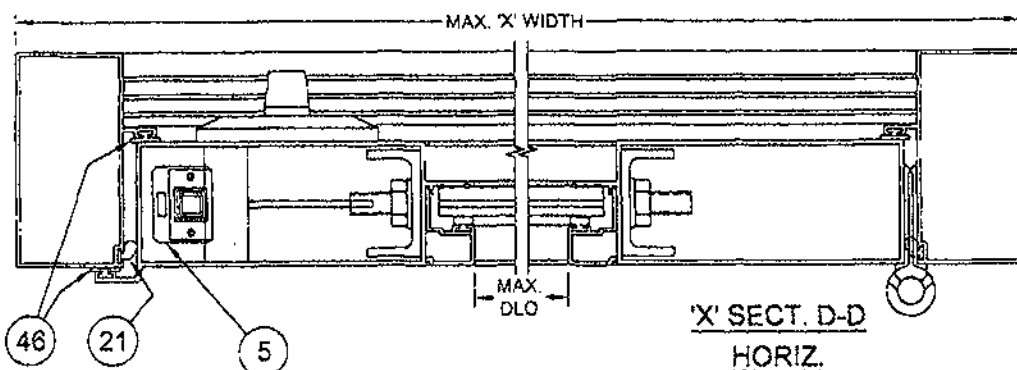
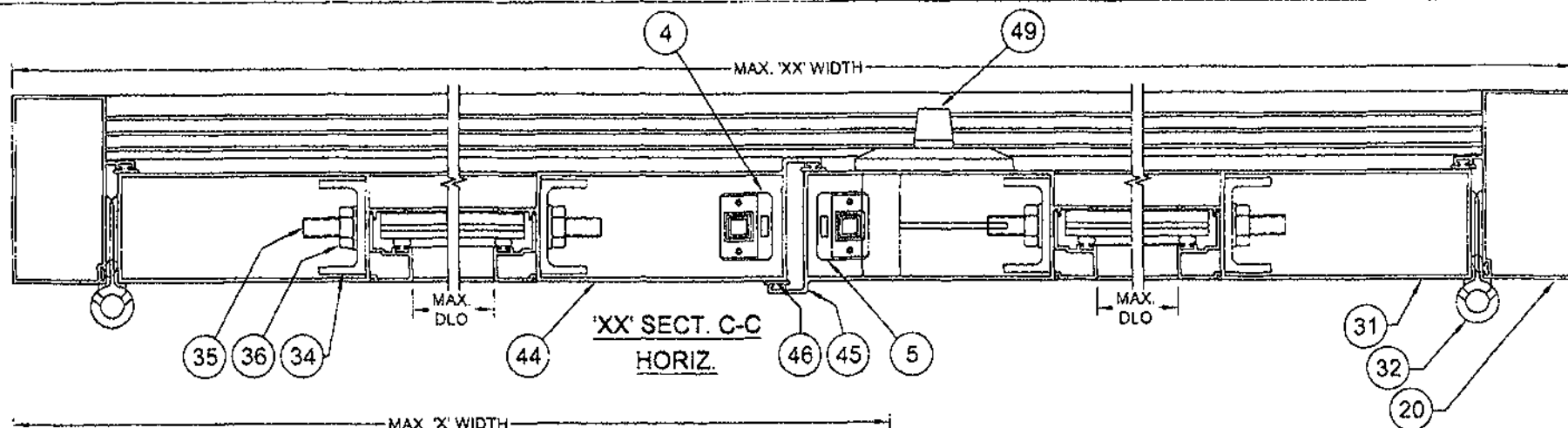
Robert L. Clark
9/21/07
Robert L. Clark, P.E.
PE #39712
Structural

Revised By:	Date:	Revision:
Revised By: F.K.	Date: 9/19/07	Revision: B NO CHANGE THIS SHEET.
Revised By: F.K.	Date: 8/14/07	Revision: A SHOW DOUBLE HOLLOW HEAD SECTION AT CORNER ASSEMBLY
Drawn By: F.K.	Date: 2/22/07	Checked By: J.J. Date: 6/21/07

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



Description: EXAMPLE ELEVATIONS				
Title: ALUM. FRENCH DOOR & SIDE LITES, IMPACT				
Series/Model: FD101	Scale: 1/2x	Sheet: 4 of 10	Drawing No: 11005-1	Rev: B



INTERIOR
↑
↓
EXTERIOR

Approved as complying with the
Florida Building Code
Date: OCT 18, 2007
NOAW 07-0669.10
Miami Dade Product Control
Division
By: [Signature]

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

Revised By:	Date:	Revised:	
Revised By: F.K.	Date: 8/18/07	Revised: B	NO CHANGE THIS SHEET.
Revised By: F.K.	Date: 8/14/07	Revised: A	ADD 'DOOR W/ SIDE LITE' TO SECTION E-E & 'SINGLE SIDE LITE' TO SECT. F-F
Drawn By: F.K.	Date: 2/22/07	Checked By: J.J.	Date: 8/21/07

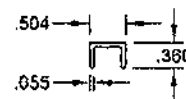
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 90809
NOKOMIS, FL 34204

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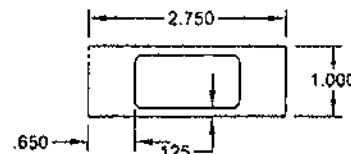
Classification:	VERTICAL SECTIONS
File:	ALUM. FRENCH DOOR & SIDE LITES, IMPACT
Series/Model:	FD101
Size:	1/2X
Quant:	5 = 10
Drawing No.:	11005-1
Rev:	B

ITEM	DWG #	PGT#	DESCRIPTION
1	943B	60411	FRAME HEAD
2	1010	6Q300	WSTP, Q-LON .190 X .375 HIGH
3	7070	67070K	BULB WEATHERSTRIP .187 X .300 HIGH
4	955	7955X	FLUSHBOLT STRIKEPLATE
5	938	7938X	2 PT. LOCK STRIKEPLATE
6	956	7956A	FRAME HEAD STRIKEPLATE BACKING PLATE
7		7832X12FPXP	#8-32 X .500 PH. FL. MS - S.S. W/SILICONE PATCH
8	995	70995	GASKET (BETWEEN THRESHOLD & FRAME JAMB)
9	996	70996	GASKET (BETWEEN HEAD & FRAME JAMB)
10	952A	6533016	FILLER HEAD ADAPTER
11	11000	611000M	OUTSWING THRESHOLD
12	1670	671670	WSTP, .350 RD FOAM FILL T-SLOT (AMSBURY#32011)
13	11004A	611004M	OUTSWING THRESHOLD CHANNEL COVER
14	11001A	411001A	ACETAL SPACER .065 (INHOUSE INJECTION MOLDED)
15	11002A	411002A	ACETAL SPACER .095 (INHOUSE INJECTION MOLDED)
16	11003A	411003A	ACETAL SPACER .140 (INHOUSE INJECTION MOLDED)
20	915D	60380	FRAME JAMB (OUTSWING)
21	1010	6Q300	WSTP, Q-LON .190 X .375 HIGH
22	6608	66608M	REINFORCEMENT, 1.000 X 2.750 X 0.650. 6061-T5
23	1140	78X112PSATS	#8 X 1.500 PH SQ A T/S
24	1048	71048	JAMB SCREW COVER CAP
25	930	41721N	STRIKE PLATE INSERT
26	1118	710X34PFA	#10 X .750 PH. FL. SMS
27	7070	67070K	BULB WEATHERSTRIP .187 X .300 HIGH
30	910D	6910	DOOR PANEL, TOP & BOTTOM RAIL
31	911E	6911	DOOR PANEL, SIDE RAIL
32	917	7FRMO	HINGE EXTRUSION
33	1178	71058FP W.B	#10 X .625 PH. FL. SMS
34	913A	60378M	TRUSS CLAMP
35	1130	6TRODA	5/16-18 THREADED ROD
36	990	7990NUTA	5/16-18 FLANGED HEX NUT
37	914A	60379M	WEATHERSTRIP CHANNEL
38		7834FPT	#8 X .75 PH. FL. TEK
39	997	70997	GASKET (BETWEEN PANEL HEAD/SILL & PANEL STILES)
40	1023	67924G	WSTP, .187 X .250 HIGH, FINSEAL
41	928	41720	SLIDE BOLT ASSY. (INACTIVE PANEL ONLY)
42	1145	76X12FPAW	#6 X .500 PH FL SMS TYPE BDS
43	1212	7P30GG	SILL DUST PLUG (INACTIVE PNL)
44	983B	6983	DOOR PANEL ASTRAGAL 1 (OUTSWING)
45	984B	6984	DOOR PANEL ASTRAGAL 2 (OUTSWING)
46	1213	6Q200K	WSTP, Q-LON .190 X .200 HIGH
47	929	74UBLOK	LOCK SUPPORT ASSY. (41707 & 41708)
48	1139	7834F	#6 X .750 PH. FL. SMS
49	982	FD2PTAY	2 PT. LOCK ASSY.
50		6R180FS	RUBBER SLEEVE
51	930	41721	STRIKE PL. INSERT (INACTIVE PANEL)
52	931	7FRSPX	DEADBOLT STRIKE PLATE
53	1118	710X34PFA	#10 X .750 PH FL. SMS
54	957	70957X	HANDLE STRIKE PLATE
55	1118	710X34PFA	#10 X .750 PH FL. SMS

ITEM	DWG #	PGT#	DESCRIPTION
60	920D	6920D	SIDELITE HEADER
61	921D	6921	SIDELITE SILL
62	916B	60381	SIDELITE JAMB
63	1155	781POA	#8 X 1.000 QUAD PN. SMS
64	998	7998	HEAD GASKETS (STOCKING #70998)
65	999	7999	SILL GASKETS (STOCKING #70999)
66	934A	61641M	SIDELITE JAMB ADAPTER
67			#12 X 1.000 SHEET METAL SCREW
70		712653K	SETTING BLOCK, 3/32" X 1/4" X 1" W/PSA
71		71267K	SETTING BLOCK, 1/16" X 1/2" X 1" W/PSA
72	4222A	64222	BEAD, 7/16"
73	988	6988	BEAD, 3/8"
92	986	64986	BEAD, INTERIOR
93	1224	6TP247	BULB, THICK (USED IN EXTRUDED BEAD)
94			GLAZING SILICONE, DOW 899, 983 OR EQUIVALENT
95			GLASS, 3/8" LAMI - 1/8" A, .90 PVB, 3/16" HS
96			GLASS, 3/8" LAMI - 1/8" HS, .90 PVB, 3/16" HS
97			GLASS, 7/16" LAMI - 3/16" A, .90 PVB, 3/16" HS
98			GLASS, 7/16" LAMI - 3/16" HS, .90 PVB, 3/16" HS
102	11006A	41106A	ACETAL SPACER .295 (INHOUSE INJECTION MOULDED)
103			OFF-THE SHELF DEAD BOLT LOCK



13 OUTSWING THRESHOLD CHANNEL COVER
6063-T6



22 TUBE MULL
6063-T5

Approved as complying with the
Florida Building Code
Date: 05/18/2007
NOCAP: 07-0629-10
Miami Dade Product Control
Division
By: Isaac L. Chandra

Robert L. Clark
7/2/07

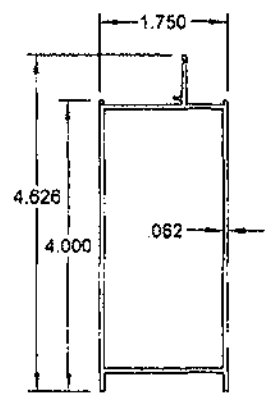
Robert L. Clark, P.E.
PE #39712
Structural

Revised By:	Date:	Revisions:
F.K.	9/18/07	B NO CHANGE THIS SHEET.
F.K.	9/14/07	A ADD ITEM 103 DEAD BOLT AND "INACTIVE PANEL ONLY" TO ITEM 41.
Drawn By:	Date:	Checked By:
F.K.	2/22/07	J.J. 6/21/07

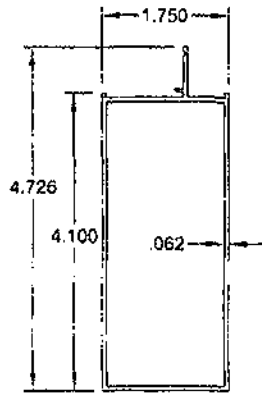
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34278
P.O. BOX 1520
NOKOMIS, FL 34278



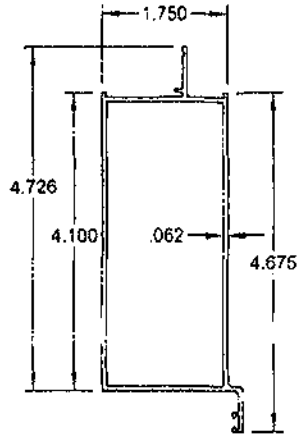
PARTS LIST			
Title: ALUM. FRENCH DOOR & SIDE LITES, IMPACT			
Drawn/Checked:	Scale:	Sheet:	Revised To:
FD101	1/2X	6 of 10	11005-1
			Rev: 8



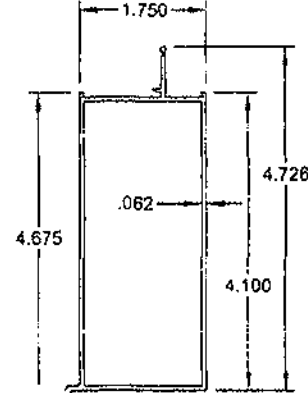
30 DOOR PANEL
TOP & BOTTOM RAIL
6063-T5



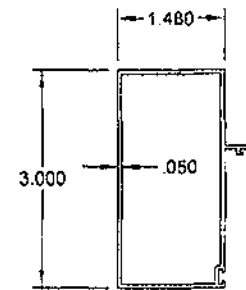
31 DOOR PANEL
SIDE RAIL
6063-T5



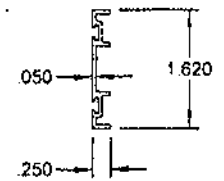
44 DOOR PANEL
INTERIOR ASTRAGAL
6063-T5



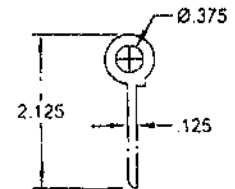
45 DOOR PANEL
EXTERIOR ASTRAGAL
6063-T5



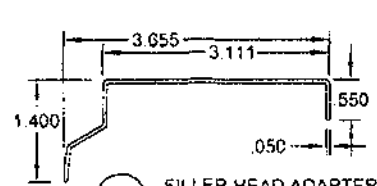
20 DOOR FRAME,
JAMB
6063-T6



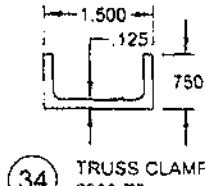
37 WEATHER
STRIP CHANNEL
6063-T5



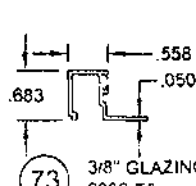
32 HINGE
6063-T5



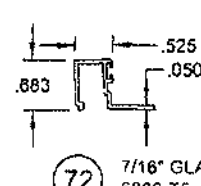
10 FILLER HEAD ADAPTER
6063-T6



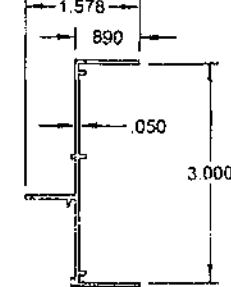
34 TRUSS CLAMP
6063-T5



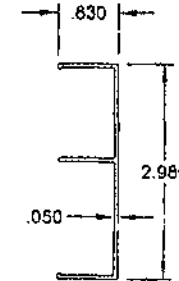
73 3/8" GLAZING BEAD
6063-T5



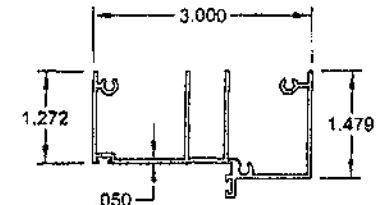
72 7/16" GLAZING BEAD
6063-T5



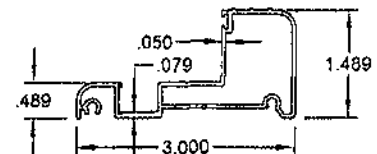
62 SL JAMB
6063-T6



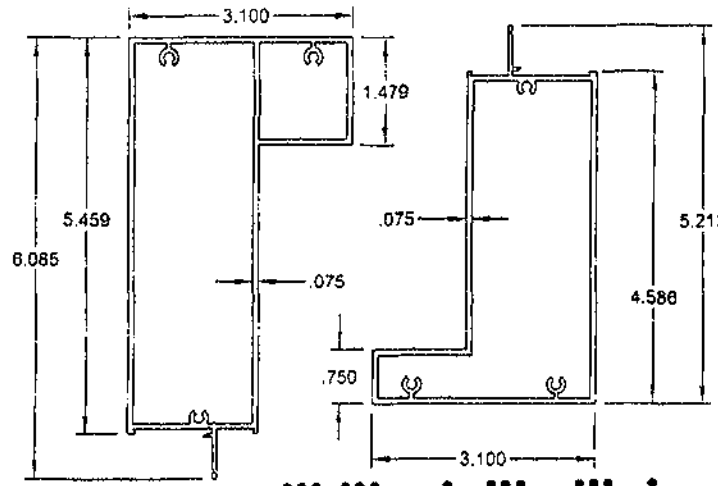
66 SL JAMB
ADAPTER
6063-T6



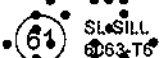
1 FRAME HEAD
6063-T6



11 OUTSWING THRESHOLD
6063-T6



60 SL HEADER
6063-T6



61 SL SILL
6063-T6

Revised By:	Date:	Revision:	
F.K.	8/18/07	B	NO CHANGE THIS SHEET.
Revised By:	Date:	Revision:	
F.K.	8/14/07	A	ADD "DOOR" TO ITEM 20 & GLASS BED DIM. TO ITEMS 30, 31, 44, 45 & 62
Drawn By:	Date:	Checked By:	Date:
F.K.	2/22/07	J.J.	8/21/07

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34215

P.O. BOX 925
NOKOMIS, FL 34224

PGI
Verily Better

EXTRUSION PROFILES

ALUM. FRENCH DOOR & SIDE LITES, IMPACT

FD101	1/2x	7 x 10	11005-1	B
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Approved as complying with the
Florida Building Code
Date: 06/18/2007
NOAR: 07-067910
Miami Dade Product Control
Dividing
By: Shang L. Chang

11/05/07
9/21/07
Robert L. Clark, P.E.
PE #30712
Structural

EXAMPLE **ANCHORAGE SOLUTION** **FOR A CONCRETE** **OXO INSTALLATION**

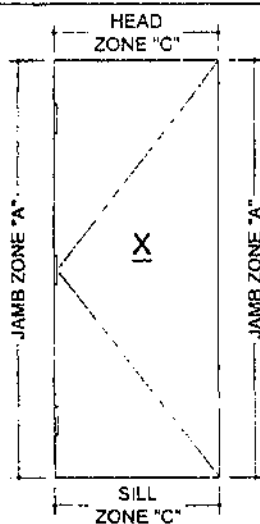
A. 19" x 83 3/4" SIDE LITES "B" AND "E" ZONE ANCHORS FROM TABLE 7, SHEET 9.

PLUS:

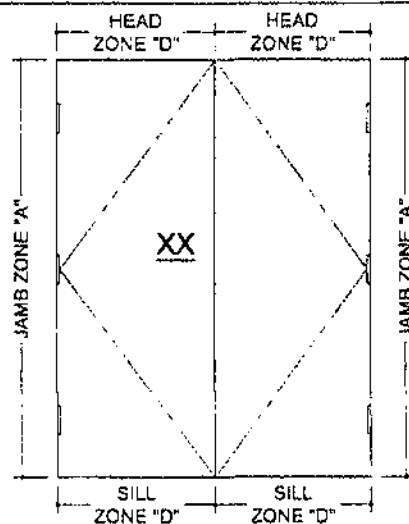
B. 71 3/4" x 83 3/4" XX DOOR ZONE "F" ANCHORS FROM TABLE 4, SHEET 9, EACH "F" ZONE.

SEE ENCIRCLED VALUES, SHEET 9

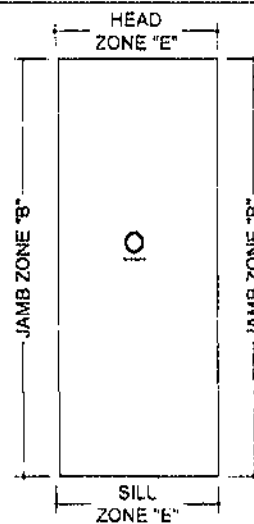
SOLUTION:
TOTALS (4) TYPE 1 OR 2 ANCHORS EACH JAMB AND 2+5+5+2 = (14) TYPE 1 OR 2 ANCHORS AT HEAD AND AT SILL.



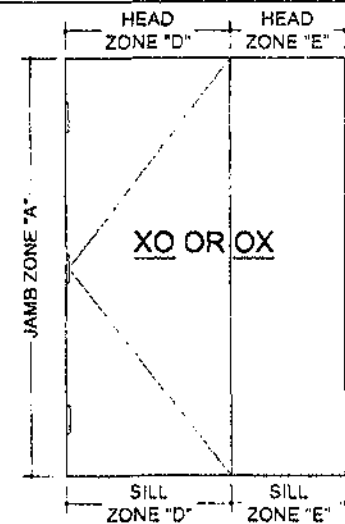
SEE TABLE 3, SHT. 9



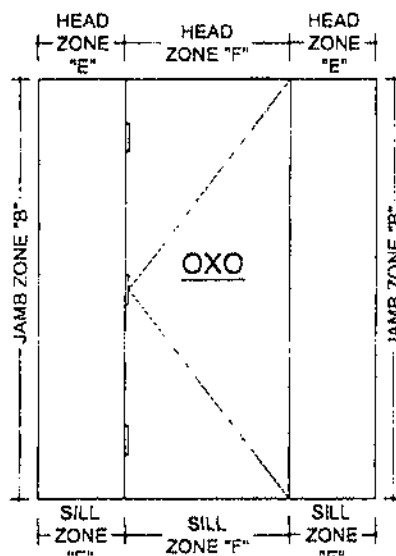
SEE TABLE 4, SHT. 9



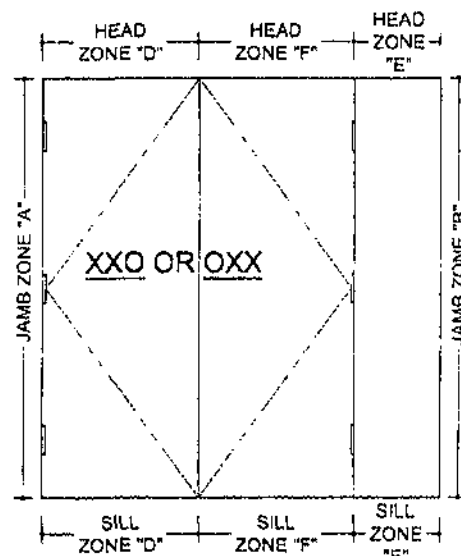
SEE TABLE 5, SHT. 9



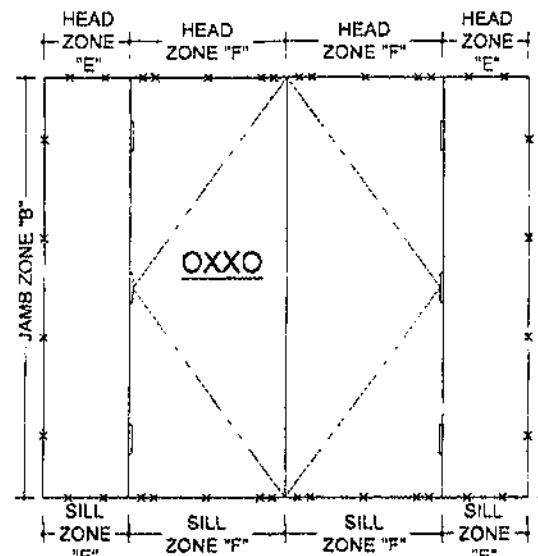
SEE TABLE 6, SHT. 9



SEE TABLE 7, SHT. 9



SEE TABLE 7, SHT. 9



SEE TABLE 7, SHT. 9

NOTES:

- APPROVED ANCHOR TYPES ARE: 1. 1/4" ELCO TAPCONS 2. 1/4" ELCO SS4 CRETE-FLEX MASONRY ANCHORS 3. #12 SCREWS
- ANCHOR QUANTITIES ARE BASED ON SPACING AS FOLLOWS (3" MIN. O.C. FOR CONCRETE): SEE EXAMPLE, OXO ANCHOR LAYOUT ABOVE.
JAMBS (ALL): 13 1/4" MAX. FROM CORNERS AND 23 1/8" MAX. O.C.
HEAD & SILL OF DOORS: 6" MAX. FROM CORNERS, 9" MAX. FROM ASTRAGAL CENTERS AND 20 7/8" MAX. O.C.
HEAD & SILL OF SIDE LITES: 6" MAX. FROM CORNERS AND 24 3/4" MAX. O.C.
- TO DETERMINE ANCHOR QUANTITIES FIND THE CONFIGURATION ABOVE THEN REFER TO THE APPROPRIATE TABLES ON SHEET 9.

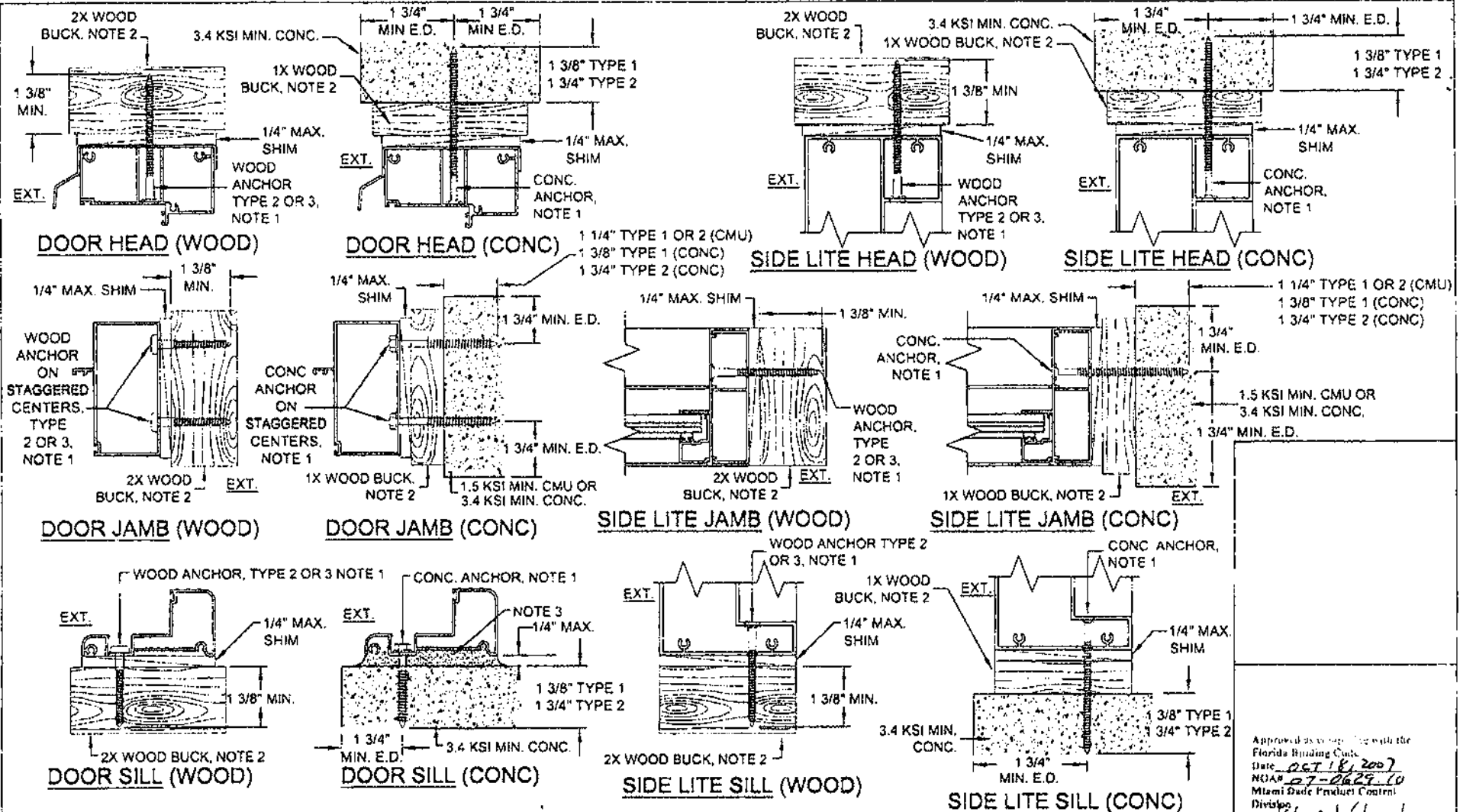
ALSO USED AS AN EXAMPLE OF ANCHORAGE FOR A 83 3/4"H UNIT,
71 3/4"W XX DOOR WITH 19"W SIDE LITES (SEE SOLUTION ABOVE)

Approved as complying with the
Florida Building Code
Date Oct 18, 2007
NOA# 07-0639-10
Miami Dade Product Control
Division
By: Isaac L. Chanda

Robert L. Clark, P.E.
PE #30712
Structural

Revised By:	Date:	Revisions:	1070 TECHNOLOGY DRIVE NOKOMIS, FL 33425	PGT Wibby Butler	Description:	ANCHORAGE, CONFIGURATIONS	Rev:
Revised By:	Date:	Revisions:			Rev:	ALUM. FRENCH DOOR & SIDE LITES, IMPACT	
Revised By:	Date:	Revisions:			Revised:	FD101	
Revised By:	Date:	Revisions:			Scale:	NTS	
Revised By:	Date:	Revisions:			Sheet:	B	
Revised By:	Date:	Revisions:			Drawn By:	11005-1	
Revised By:	Date:	Revisions:			Rev:	B	

TABLE 3. X DOORS										TABLE 4. XX DOORS (ALSO X DOOR OF XO & OX)										TABLE 5. O SIDE LITE										TABLE 6. XO & OX										TABLE 7. OXO, XXO, OXX & OXXO										APPROVED ANCHOR TYPES:	
GLASS TYPES ANCHOR TYPE & SUBSTRATE		A, B, C, D		GLASS TYPES ANCHOR TYPE & SUBSTRATE		A, B, C, D		GLASS TYPES ANCHOR TYPE & SUBSTRATE		A, B, C, D		GLASS TYPES ANCHOR TYPE & SUBSTRATE		A, B, C, D		GLASS TYPES ANCHOR TYPE & SUBSTRATE		A, B, C, D		GLASS TYPES ANCHOR TYPE & SUBSTRATE		A, B, C, D		GLASS TYPES ANCHOR TYPE & SUBSTRATE		A, B, C, D		1. 1/4" ELCO TAPCONS 2. 1/4" ELCO SS4 CRETE-FLEX MASONRY ANCHORS 3. #12 SCREWS (G5) 4. ENCIRCLED ANCHOR QUANTITIES IN TABLES 4 AND 7 PERTAIN TO THE EXAMPLE ANCHORAGE SOLUTION ON SHEET 8.																							
DOOR WIDTHS		LOAD ZONES		DOOR WIDTHS		LOAD ZONES		DOOR WIDTHS		LOAD ZONES		DOOR WIDTHS		LOAD ZONES		DOOR WIDTHS		LOAD ZONES		DOOR WIDTHS		LOAD ZONES		DOOR WIDTHS		LOAD ZONES																									
"X" - 25.50 TO 37.50		X - JAMB "A" X - HEADSILL "C" X - HEADSILL "F" (USE W/ TABLE 7.) X - JAMB "A" X - HEADSILL "C" X - HEADSILL "F" (USE W/ TABLE 7.)		"XX" - 47.75 TO 71.75		XX - JAMB "A" XX - HEADSILL "D" (USE ALSO W/ TABLE 6.) XX - HEADSILL "F" (USE W/ TABLE 7.) XX - JAMB "A" XX - HEADSILL "D" (USE ALSO W/ TABLE 6.) XX - HEADSILL "F" (USE W/ TABLE 7.)		"O" - 10.75 TO 36.75		O - JAMB "B" O - HEADSILL "E" O - JAMB "B" O - HEADSILL "E"		"X" - 25.50 TO 37.50		X - JAMB "A" X - HEADSILL "D" X - JAMB "B" X - HEADSILL "E" X - JAMB "A"		"X" - 25.50 TO 37.50		XX - 47.75 TO 71.75		X - JAMB "A" X - HEADSILL "D" X - JAMB "B" X - HEADSILL "E" X - JAMB "A"		"X" - 25.50 TO 37.50		XX - 47.75 TO 71.75		X - JAMB "A" X - HEADSILL "D" X - JAMB "B" X - HEADSILL "E" X - JAMB "A"																									
WIDTH x HT.		X - JAMB "A" X - HEADSILL "C" X - HEADSILL "F" (USE W/ TABLE 7.) X - JAMB "A" X - HEADSILL "C" X - HEADSILL "F" (USE W/ TABLE 7.)		WIDTH x HT.		XX - JAMB "A" XX - HEADSILL "D" (USE ALSO W/ TABLE 6.) XX - HEADSILL "F" (USE W/ TABLE 7.) XX - JAMB "A" XX - HEADSILL "D" (USE ALSO W/ TABLE 6.) XX - HEADSILL "F" (USE W/ TABLE 7.)		WIDTH x HT.		O - JAMB "B" O - HEADSILL "E" O - JAMB "B" O - HEADSILL "E"		WIDTH x HT.		X - JAMB "A" X - HEADSILL "D" X - JAMB "B" X - HEADSILL "E" X - JAMB "A"		WIDTH x HT.		XX - 47.75 TO 71.75		X - JAMB "A" X - HEADSILL "D" X - JAMB "B" X - HEADSILL "E" X - JAMB "A"		WIDTH x HT.		XX - 47.75 TO 71.75		X - JAMB "A" X - HEADSILL "D" X - JAMB "B" X - HEADSILL "E" X - JAMB "A"																									
25.50 x 79.75		5 2 7 4 2 3		47.75 x 79.75		4 3 6 4 2 3		10.75 x 79.75		4 1 4 1		83.75 x 79.75		4 2 4 2		10.75 x 79.75		4 2 4 2		10.75 x 79.75		4 2 4 2		83.75 x 79.75		4 2 4 2		USE ANCHOR QUANTITIES FROM TABLE 3. OR 4. FOR EACH ZONE OF APPLICABLE DOOR WIDTH																							
83.75		5 2 7 4 2 3		83.75		5 4 7 4 2 3		83.75		4 1 4 1		83.75		4 2 4 2		83.75		4 2 4 2		83.75		4 2 4 2		83.75		4 2 4 2																									
87.75		5 2 7 4 2 3		87.75		5 4 7 4 2 3		87.75		4 1 4 1		87.75		4 2 4 2		87.75		4 2 4 2		87.75		4 2 4 2		87.75		4 2 4 2																									
91.75		5 2 7 4 2 3		91.75		5 4 7 4 2 3		91.75		4 1 4 1		91.75		4 2 4 2		91.75		4 2 4 2		91.75		4 2 4 2		91.75		4 2 4 2																									
95.75		6 2 7 4 2 3		95.75		5 4 7 4 2 3		95.75		4 1 4 1		95.75		4 2 4 2		95.75		4 2 4 2		95.75		4 2 4 2		95.75		4 2 4 2																									
27.50 x 79.75		5 2 7 4 2 3		51.75 x 79.75		5 4 7 4 2 3		12.75 x 79.75		4 2 4 2		83.75 x 79.75		4 2 4 2		12.75 x 79.75		4 2 4 2		83.75 x 79.75		4 2 4 2		83.75 x 79.75		4 2 4 2		USE ANCHOR QUANTITIES FROM TABLE 3. OR 4. FOR EACH ZONE OF APPLICABLE DOOR WIDTH																							
83.75		5 2 7 4 2 3		83.75		5 4 7 4 2 3		83.75		4 2 4 2		83.75		4 2 4 2		83.75		4 2 4 2		83.75		4 2 4 2		83.75		4 2 4 2																									
87.75		5 2 7 4 2 3		87.75		5 4 7 4 2 3		87.75		4 2 4 2		87.75		4 2 4 2		87.75		4 2 4 2		87.75		4 2 4 2		87.75		4 2 4 2																									
91.75		6 2 7 4 2 5		91.75		5 4 7 4 2 3		91.75		4 2 4 2		91.75		4 2 4 2		91.75		4 2 4 2		91.75		4 2 4 2		91.75		4 2 4 2																									
95.75		6 2 7 4 2 5		95.75		6 4 7 4 3 5		95.75		4 2 4 2		95.75		4 2 4 2		95.75		4 2 4 2		95.75		4 2 4 2		95.75		4 2 4 2																									
29.50 x 79.75		5 2 8 4 2 3		55.75 x 79.75		5 4 7 4 2 3		19.00 x 79.75		4 2 4 2		83.75 x 79.75		4 3 4 3		19.00 x 79.75		4 3 4 3		83.75 x 79.75		4 3 4 3		83.75 x 79.75		4 3 4 3		USE ANCHOR QUANTITIES FROM TABLE 3. OR 4. FOR EACH ZONE OF APPLICABLE DOOR WIDTH																							
83.75		5 2 8 4 2 3		83.75		5 4 7 4 2 3		83.75		4 2 4 2		83.75		4 3 4 3		83.75		4 3 4 3		83.75		4 3 4 3		83.75		4 3 4 3																									
87.75		6 2 8 4 2 5		87.75		5 4 7 4 2 3		87.75		4 2 4 2		87.75		4 3 4 3		87.75		4 3 4 3		87.75		4 3 4 3		87.75		4 3 4 3																									
91.75		6 2 8 4 2 5		91.75		6 4 7 4 3 5		91.75		4 2 4 2		91.75		4 3 4 3		91.75		4 3 4 3		91.75		4 3 4 3		91.75		4 3 4 3																									
95.75		6 2 8 4 2 5		95.75		6 4 8 4 3 5		95.75		4 2 4 2		95.75		4 3 4 3		95.75		4 3 4 3		95.75		4 3 4 3		95.75		4 3 4 3																									
31.50 x 79.75		5 2 8 4 2 3		59.75 x 79.75		5 5 8 4 2 3		21.75 x 79.75		4 2 4 2		83.75 x 79.75		4 3 4 3		21.75 x 79.75		4 3 4 3		83.75 x 79.75		4 3 4 3		83.75 x 79.75		4 3 4 3		USE ANCHOR QUANTITIES FROM TABLE 3. OR 4. FOR EACH ZONE OF APPLICABLE DOOR WIDTH																							
83.75		6 2 8 4 2 5		83.75		5 5 8 4 2 3		83.75		4 2 4 2		83.75		4 3 4 3		83.75		4 3 4 3		83.75		4 3 4 3		83.75		4 3 4 3																									
87.75		6 2 8 4 2 5		87.75		6 5 8 4 3 5		87.75		4 2 4 2		87.75		4 3 4 3		87.75		4 3 4 3		87.75		4 3 4 3		87.75		4 3 4 3																									
91.75		6 2 8 4 2 5		91.75		6 5 8 4 3 5		91.75		5 2 4 2		91.75		5 3 4 3		91.75		5 3 4 3		91.75		5 3 4 3		91.75		5 3 4 3																									
95.75		7 2 10 4 2 5		95.75		6 5 8 4 3 5		95.75		5 2 4 2		95.75		5 3 4 3		95.75		5 3 4 3		95.75		5 3 4 3		95.75		5 3 4 3																									
33.50 x 79.75		6 3 8 4 3 3		63.75 x 79.75		5 5 8 4 2 3		27.75 x 79.75		5 2 4 2		83.75 x 79.75		5 3 4 3		27.75 x 79.75		5 3 4 3		83.75 x 79.75		5 3 4 3		83.75 x 79.75		5 3 4 3		USE ANCHOR QUANTITIES FROM TABLE 3. OR 4. FOR EACH ZONE OF APPLICABLE DOOR WIDTH																							
83.75		6 3 8 4 3 5		83.75		6 5 8 4 3 5		83.75		5 2 4 2		83.75		5 3 4 3		83.75		5 3 4 3		83.75		5 3 4 3		83.75		5 3 4 3																									
87.75		6 3 8 4 3 5		87.75		6 5 8 4 3 5		87.75		5 2 4 2		87.75		5 3 4 3		87.75		5 3 4 3		87.75		5 3 4 3		87.75		5 3 4 3																									
91.75		7 3 10 4 3 5		91.75		6 5 8 4 3 5		91.75		6 2 4 2		91.75		6 3 4 3		91.75		6 3 4 3		91.75		6 3 4 3		91.75		6 3 4 3																									
95.75		7 3 10 4 3 5		95.75		7 5 10 4 3 5		95.75		6 2 4 2		95.75		6 3 4 3		95.75		6 3 4 3		95.75		6 3 4 3		95.75		6 3 4 3																									
35.50 x 79.75		6 3 8 4 3 5		67.75 x 79.75		6 5 8 4 3 5		36.13 x 79.75		6 3 4 3		83.75 x 79.75		6 4 4 3		36.13 x 79.75		6 4 4 3		83.75 x 79.75		6 4 4 3		83.75 x 79.75		6 4 4 3		USE ANCHOR QUANTITIES FROM TABLE 3. OR 4. FOR EACH ZONE OF APPLICABLE DOOR WIDTH																							
83.75		6 3 8 4 3 5		83.75		6 5 8 4 3 5		83.75		6 3 4 3		83.75		6 4 4 3		83.75		6 4 4 3		83.75		6 4 4 3		83.75		6 4 4 3																									
87.75		6 3 8 4 3 5		87.75		6 5 8 4 3 5		87.75		7 3 4 3		87.75		7 5 4 3		87.75		7 5 4 3		87.75		7 5 4 3		87.75		7 5 4 3																									
91.75		7 3 10 4 3 5		91.75		7 6 10 4 3 5		91.75		7 3 4 3		91.75		7 5 4 3		91.75		7 5 4 3		91.75		7 5 4 3		91.75		7 5 4 3																									
95.75		7 3 10 4 3 5		95.75		7 6 10 4 3 5		95.75		7 3 4 3		95.75		7 5 4 3		95.75		7 5 4 3		95.75		7 5 4 3		95.75		7 5 4 3																									
37.50 x 79.75		6 3 8 4 3 5		71.75 x 79.75		6 5 8 4 3 5		36.75 x 79.75		6 3 4 3		83.75 x 79.75		6 4 4 3		36.75 x 79.75		6 4 4 3		83.75 x 79.75		6 4 4 3		83.75 x 79.75		6 4 4 3		USE ANCHOR QUANTITIES FROM TABLE 3. OR 4. FOR EACH ZONE OF APPLICABLE DOOR WIDTH																							
83.75		6 3 8 4 3 5		83.75		6 5 9 4 3 5		83.75		6 3 4 3		83.75		6 4 4 3		83.75		6 4 4 3		83.75		6 4 4 3		83.75		6 4 4 3																									
87.75		7 3 10 4 3 5		87.75		6 5 9 4 3 5		87.75		7 3 4 3		87.75		7 5 4 3		87.75		7 5 4 3		87.75		7 5 4 3		87.75		7 5 4 3																									
91.75		7 3 10 4 3 5		91.75		7 6 10 4 3 5		91.75		7 3 4 3		91.75		7 5 4 3		91.75		7 5 4 3		91.75		7 5 4 3		91.75		7 5 4 3																									
95.75		7 3 10 4 3 5		95.75		7 6 10 4 3 5		95.75		7 3 4 3		95.75		7 5 4 3		95.75		7 5 4 3		95.75		7 5 4 3		95.75		7 5 4 3																									
Revised By: Date: Revisions:		Revised By: Date: Revisions:		Revised By: Date: Revisions:		Revised By: Date: Revisions:		Revised By: Date: Revisions:		Revised By: Date: Revisions:		Revised By: Date: Revisions:		Revised By: Date: Revisions:		Revised By: Date: Revisions:		Revised By: Date: Revisions:		Revised By: Date: Revisions:		Revised By: Date: Revisions:		Revised By: Date: Revisions:		Revised By: Date: Revisions:		Approved as complying with the Florida Building Code Date: 02-18-2007 NGA# 02-0628-10 Miami Dade Product Control Division By: (Shag) J. Chan Jc																							
Revised By: F.K. Date: 6/18/07 Revisions: B		Revised By: F.K. Date: 6/14/07 Revisions: A		Revised By: F.K. Date: 2/22/07 Revisions: J.J.		Revised By: F.K. Date: 6/21/07 Revisions: J.J.		Revised By: F.K. Date: 2/22/07 Revisions: J.J.		Revised By: F.K. Date: 2/22/07 Revisions: J.J.		Revised By: F.K. Date: 2/22/07 Revisions: J.J.		Revised By: F.K. Date: 2/22/07 Revisions: J.J.		Revised By: F.K. Date: 2/22/07 Revisions: J.J.		Revised By: F.K. Date: 2/22/07 Revisions: J.J.		Revised By: F.K. Date: 2/22/07 Revisions: J.J.		Revised By: F.K. Date: 2/22/07 Revisions: J.J.		Revised By: F.K. Date: 2/22/07 Revisions: J.J.																											
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34278		1070 TECHNOLOGY DRIVE NOKOMIS, FL 34278		1070 TECHNOLOGY DRIVE NOKOMIS, FL 34278		1070 TECHNOLOGY DRIVE NOKOMIS, FL 34278		1070 TECHNOLOGY DRIVE NOKOMIS, FL 34278		1070 TECHNOLOGY DRIVE NOKOMIS, FL 34278		1070 TECHNOLOGY DRIVE NOKOMIS, FL 34278		1070 TECHNOLOGY DRIVE NOKOMIS, FL 34278		1070 TECHNOLOGY DRIVE NOKOMIS, FL 34278		1070 TECHNOLOGY DRIVE NOKOMIS, FL 34278		1070 TECHNOLOGY DRIVE NOKOMIS, FL 34278		1070 TECHNOLOGY DRIVE NOKOMIS, FL 34278		1070 TECHNOLOGY DRIVE NOKOMIS, FL 34278		1070 TECHNOLOGY DRIVE NOKOMIS, FL 34278		ANCHOR QUANTITY LOAD ZONE TABLES ALUM. FRENCH DOOR & SIDE LITES, IMPACT																							
P.O. BOX 1529 NOKOMIS, FL 34274		P.O. BOX 1529 NOKOMIS, FL 34274		P.O. BOX 1529 NOKOMIS, FL 34274		P.O. BOX 1529 NOKOMIS, FL 34274		P.O. BOX 1529 NOKOMIS, FL 34274		P.O. BOX 1529 NOKOMIS, FL 34274		P.O. BOX 1529 NOKOMIS, FL 34274		P.O. BOX 1529 NOKOMIS, FL 34274		P.O. BOX 1529 NOKOMIS, FL 34274		P.O. BOX 1529 NOKOMIS, FL 34274		P.O. BOX 1529 NOKOMIS, FL 34274		P.O. BOX 1529 NOKOMIS, FL 34274		P.O. BOX 1529 NOKOMIS, FL 34274																											
FD101		NA		9 x 10		11005-1		B		FD101		NA		9 x 10		11005-1		B		FD101		NA		9 x 10		11005-1		Robert L. Clark, P.E. PE #38712 Structural																							
FD101		NA		9 x 10		11005-1		B		FD101		NA		9 x 10		11005-1		B		FD101		NA		9 x 10		11005-1																									



NOTES:

1. FOR CONCRETE INSTALLATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED ELCO 1/4" TAPCONS EMBEDDED 1 3/8" MIN. (TYPE 1) OR 1/4" SS4 CRETE-FLEX EMBEDDED 1 3/4" MIN. (TYPE 2). THE MINIMUM DISTANCE FROM CENTER OF ANCHOR TO CONCRETE EDGE IS 1 3/4". FOR WOOD INSTALLATIONS USE #12 SCREWS, G5 (TYPE 3) OR ELCO 1/4" SS4 CRETE-FLEX ANCHORS EMBEDDED 1 3/8" MIN. (TYPE 2).
2. WOOD BUCKS DEPICTED AS 1x ARE LESS THAN 1 1/2" THICK. 1x WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SOLID CONCRETE. WOOD BUCKS DEPICTED AS 2x ARE 1 1/2" THICK OR GREATER. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY OTHERS OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ).
3. IF SILL IS TIGHT TO SUBSTRATE, GROUT OR OTHER MATERIAL IS NOT REQUIRED. IF USED, NON-SHRINK, NON-METALLIC GROUT (3400 PSI MIN.), (DONE BY OTHERS) MUST FULLY SUPPORT THE ENTIRE LENGTH OF THE SILL THAT IS NOT TIGHT TO THE SUBSTRATE, AND TRANSFER SHEAR LOAD TO SUBSTRATE. IF SUBSTRATE IS WOOD, 30# FELT PAPER OR MASTIC IS REQUIRED BETWEEN THE GROUT AND WOOD SUBSTRATE, OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.

Revised By:	Date:	Revised By:	Date:	1070 TECHNOLOGY DRIVE NOKOMIS, FL 34276 P.O. BOX 1589 NOKOMIS, FL 34274		Description: ANCHORAGE DETAILS			
Revised By:	Date:	Revised By:	Date:			Title: ALUM. FRENCH DOOR & SIDE LITES, IMPAC			
Revised By:	Date:	Revised By:	Date:			Scale:	Sheet	Drawing No.	Rev
Drawn By:	Date:	Checked By:	Date:			FD101	NTS	10 of 10	11005-1

Approved as per the Florida Building Code.
 Date: 06/18/2007
 NOAR 07-0629-10
 Miami Dade Product Control
 Division
 By: [Signature]

[Signature]
 Robert L. Clerk, P.E.
 PE #38712
 Structural

8 FARREY LN.

01101870



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
NORTH FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603

MIAMI, FLORIDA 33130-1563

(305) 375-2901 FAX (305) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.maimidade.gov/buildingcode

PGT Industries
1070 Technology Drive
Nokomis, FL 34274

SCOPE:

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

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

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

DESCRIPTION: Series C-740 Outswing Aluminum Casement Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. 7045-8, titled "Aluminum Casement Window, Impact", sheets 1 through 13 of 13, dated 12/17/02 with revision "D" dated 06/23/05, prepared by manufacturer, signed and sealed by Lucas A. Turner, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large Missile Impact Resistant

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

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

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

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

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA renews NOA # 05-1129.11 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.



MP

NOA No. 08-0117.11
Expiration Date: May 22, 2013
Approval Date: May 15, 2008
Page 1

PGT Industries

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. 7045-8, titled "Aluminum Casement Window, Impact", sheets 1 through 13 of 13, dated 12/17/02 with revision "D" dated 06/23/05, prepared by manufacturer, signed and sealed by Lucas A. Turner, P.E.

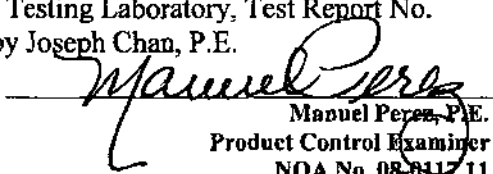
B. TESTS

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of two outswing aluminum casement windows, prepared by Fenestration Testing Laboratory, Test Report No. FTL 4608 dated 05/10/05, signed and sealed by Edmundo Largaespada, P.E.
(Submitted under NOA# 05-1129.11)

2. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of two outswing aluminum casement windows, prepared by Fenestration Testing Laboratory, Test Report No. FTL 4607 dated 05/10/05, signed and sealed by Edmundo Largaespada, P.E.
(Submitted under NOA# 05-1129.11)

3. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of two outswing aluminum casement windows, prepared by Fenestration Testing Laboratory, Test Report No. FTL 3729 dated 2/28/03, signed and sealed by Joseph Chan, P.E.
(Submitted under NOA# 03-0611.02)

4. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of two outswing aluminum casement windows, prepared by Fenestration Testing Laboratory, Test Report No. FTL 3587 dated 10/8/02, signed and sealed by Joseph Chan, P.E.
(Submitted under NOA# 03-0611.02)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 08-0117.11
Expiration Date: May 22, 2013
Approval Date: May 15, 2008

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of one outswing aluminum casement window, prepared by Fenestration Testing Laboratory, Test Report No. FTL 3582 dated 10/3/02, signed and sealed by Joseph Chan, P.E.
(Submitted under NOA# 03-0611.02)
6. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of three aluminum outswing casement windows, prepared by Fenestration Testing Laboratory, Test Report No. FTL 3580 dated 10/3/02, signed and sealed by Joseph Chan, P.E.
(Submitted under NOA# 03-0611.02)

C. CALCULATIONS

1. Revised Anchor Calculations and structural analysis, prepared by manufacturer, dated 11/21/05, signed and sealed by Lucas A. Turner, P.E. **Complies w/ASTM E 1300-98**

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

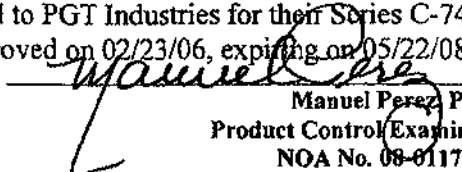
1. Notice of Acceptance No. **05-1208.02** issued to E.I. DuPont DeNemours & Co., Inc. for their "DuPont Butacite PVB Interlayer" dated 01/05/06, expiring on 12/11/10.
2. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their "Saflex III G Clear or colored Interlayer" dated 05/04/06, expiring on 05/21/11.

F. STATEMENTS

1. Statement letter of conformance, dated 12/19/02, signed and sealed by Robert L. Clark, P.E.
2. Statement letter of no financial interest, dated 12/19/02, signed and sealed by Robert L. Clark, P.E.

G. OTHER

1. Notice of Acceptance No. **05-1129.11**, issued to PGT Industries for their Series C-740 Aluminum Casement Window - L.M.I., approved on 02/23/06, expiring on 05/22/08.


Manuel Perez, P.E.
Product Control Examiner
NOA No. **08-0117.11**
Expiration Date: May 22, 2013
Approval Date: May 15, 2008

NOTES: LARGE MISSILE WINDOWS

1. GLAZING OPTIONS:

- A. 5/16" LAMINATED GLASS COMPRISED OF (1) LITE OF 1/8" ANNEALED GLASS AND (1) LITE OF 1/8" HEAT STRENGTHENED GLASS W/ AN .090 INTERLAYER OF SOLUTIA OR DUPONT PVB.
- B. 5/16" LAMINATED GLASS COMPRISED OF (2) LITES OF 1/8" HEAT STRENGTHENED GLASS W/ AN .090 INTERLAYER OF SOLUTIA OR DUPONT PVB.
- C. 7/16" LAMINATED GLASS COMPRISED OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS W/ AN .090 INTERLAYER OF SOLUTIA OR DUPONT PVB.
- D. 7/16" LAMINATED GLASS COMPRISED OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS W/ AN .090 INTERLAYER OF SOLUTIA OR DUPONT PVB.
- E. 13/16" I.G. GLASS COMPRISED OF (1) LITE OF 1/8" HEAT STRENGTHENED GLASS AND (1) 5/16" LAMINATED COMPONENT WITH A 3/8" AIR SPACE. 5/16" LAMINATED GLASS COMPRISED OF (2) LITES OF 1/8" HEAT STRENGTHENED GLASS WITH AN .090 SOLUTIA OR DUPONT PVB INTERLAYER.
- △ F. 13/16" I.G. GLASS COMPRISED OF (1) LITE OF 1/8" ANNEALED GLASS AND (1) 7/16" LAMINATED COMPONENT WITH AN AIR SPACE. 7/16" LAMINATED GLASS COMPRISED OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 SOLUTIA OR DUPONT PVB INTERLAYER.
- △ G. 13/16" I.G. GLASS COMPRISED OF (1) LITE OF 1/8" ANNEALED GLASS AND (1) 7/16" LAMINATED COMPONENT WITH AN AIR SPACE. 7/16" LAMINATED GLASS COMPRISED OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 SOLUTIA OR DUPONT PVB INTERLAYER.

2. CONFIGURATIONS: X, XX, XO, OX, XOX AND O

3. DESIGN PRESSURE RATINGS / COMPARATIVE ANALYSIS TABLES:

- A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E 1300-98.
- B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E 1300-98. △
- C. DESIGN PRESSURES UNDER 40 P.S.F. NOT APPLICABLE IN MIAMI-DADE COUNTY.
- D. FOR "X" CONFIGURATIONS SEE SHEET 5.
- E. FOR "XX" CONFIGURATIONS SEE SHEET 6.
- F. FOR 1 1/4" "XOX" & "O" CONFIGURATIONS SEE SHEET 7.
- G. FOR 1 1/4" "XOX" & "XO" OR "OX" CONFIGURATIONS SEE SHEET 8.
- H. FOR UNEQUAL LITE "XOX", "XO" & "OX" CONFIGURATIONS SEE SHEET 9.
- △ 4. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. SEE SHEETS 3, 4 AND 13 FOR ADDITIONAL ANCHORAGE INFORMATION.

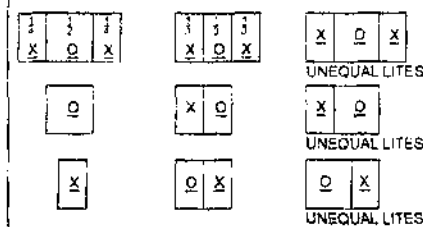
HEAD & SILL: MAX. 4" FROM CORNERS
MAX. 4" & 7" ON EACH SIDE OF MEETING RAILS
MAX. 14 1/2" SPACING ON VENTS
MAX. 13" SPACING ON FIXED LITES
(2) ANCHORS 3" APART AT MID-SPAN ON FIXED LITE ONLY

JAMBS: MAX. 4" FROM CORNERS
MAX. 13" SPACING
(2) ANCHORS 3" APART AT MID-SPAN

- △ SEE SHEET 13 FOR APPROVED ANCHORS. 1/4" TAPCONS OR 1/4" SS4 CRETE-FLEX MAY BE USED IN CONCRETE OR WOOD APPLICATIONS TO ACHIEVE THE DESIGN PRESSURES SHOWN IN SHEETS 5 THROUGH 9. SEE SHEETS 5 THROUGH 9 FOR DESIGN PRESSURE LIMITATIONS WHEN ANCHORING WITH #12 SCREWS.

5. SHUTTER REQUIREMENT: NONE REQUIRED.
6. NARROW JOINT SEALANT IS USED ON ALL FOUR CORNERS OF THE FRAME.
- △ 7. REFERENCE TEST REPORTS: FTL-3580, FTL-3582, FTL-3587, FTL-3729, FTL4607 AND FTL-4608.

CONFIGURATIONS OPTIONS



NOA DRAWING TABLE OF CONTENTS

	SHEET
NOTES.....	1
GLAZING DETAILS.....	2
ELEVATIONS.....	3-4
DESIGN PRESSURE TABLES.....	5-9
SECTIONS.....	10
CORNER CONSTRUCTION.....	11
EXTRUSION PROFILES.....	11-12
PARTS LIST.....	12
ANCHORAGE.....	1,3,4,13

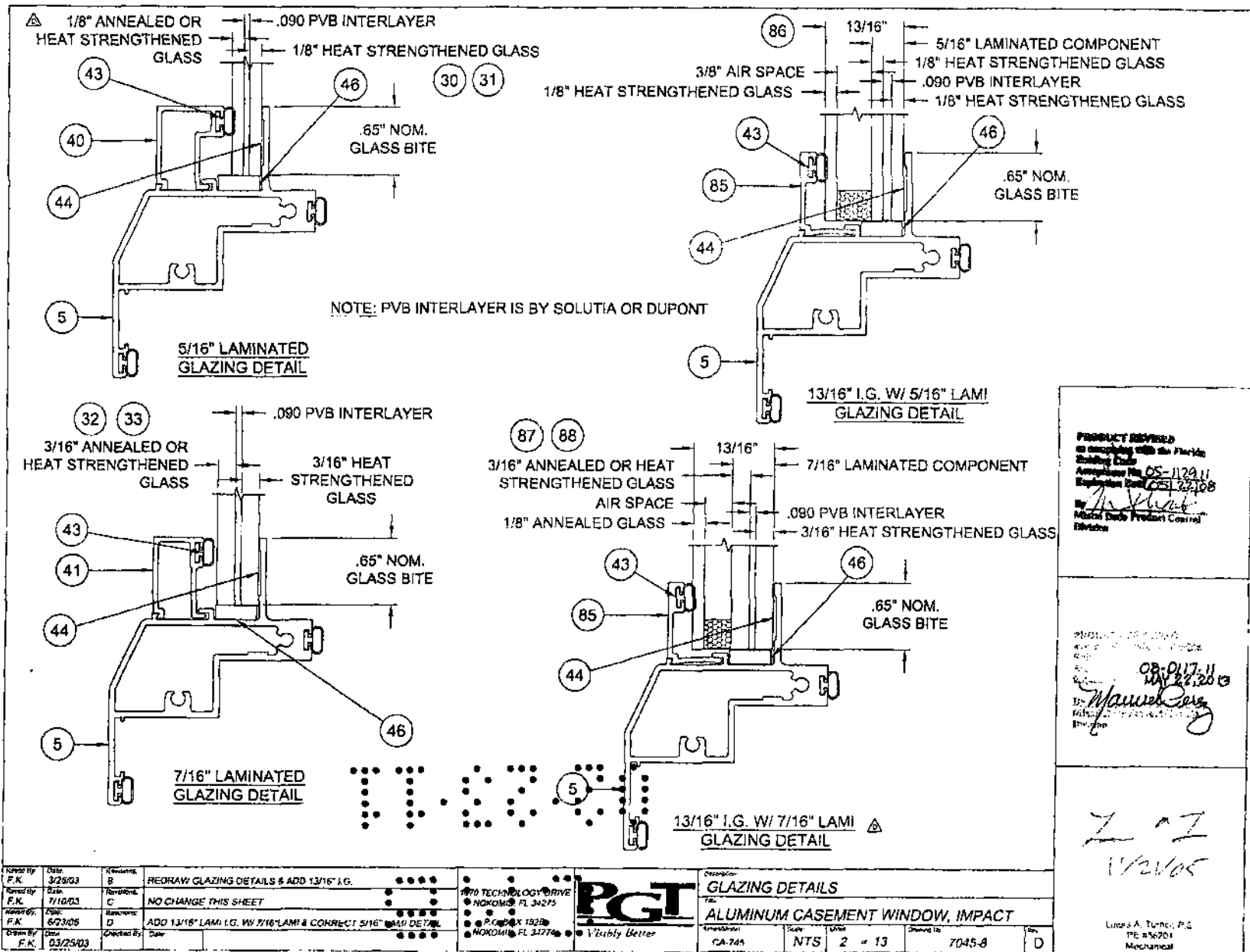
PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. CS-4129.11
Expiration Date 05/22/2013
By: *[Signature]*
Miami Dade Building Control
Division

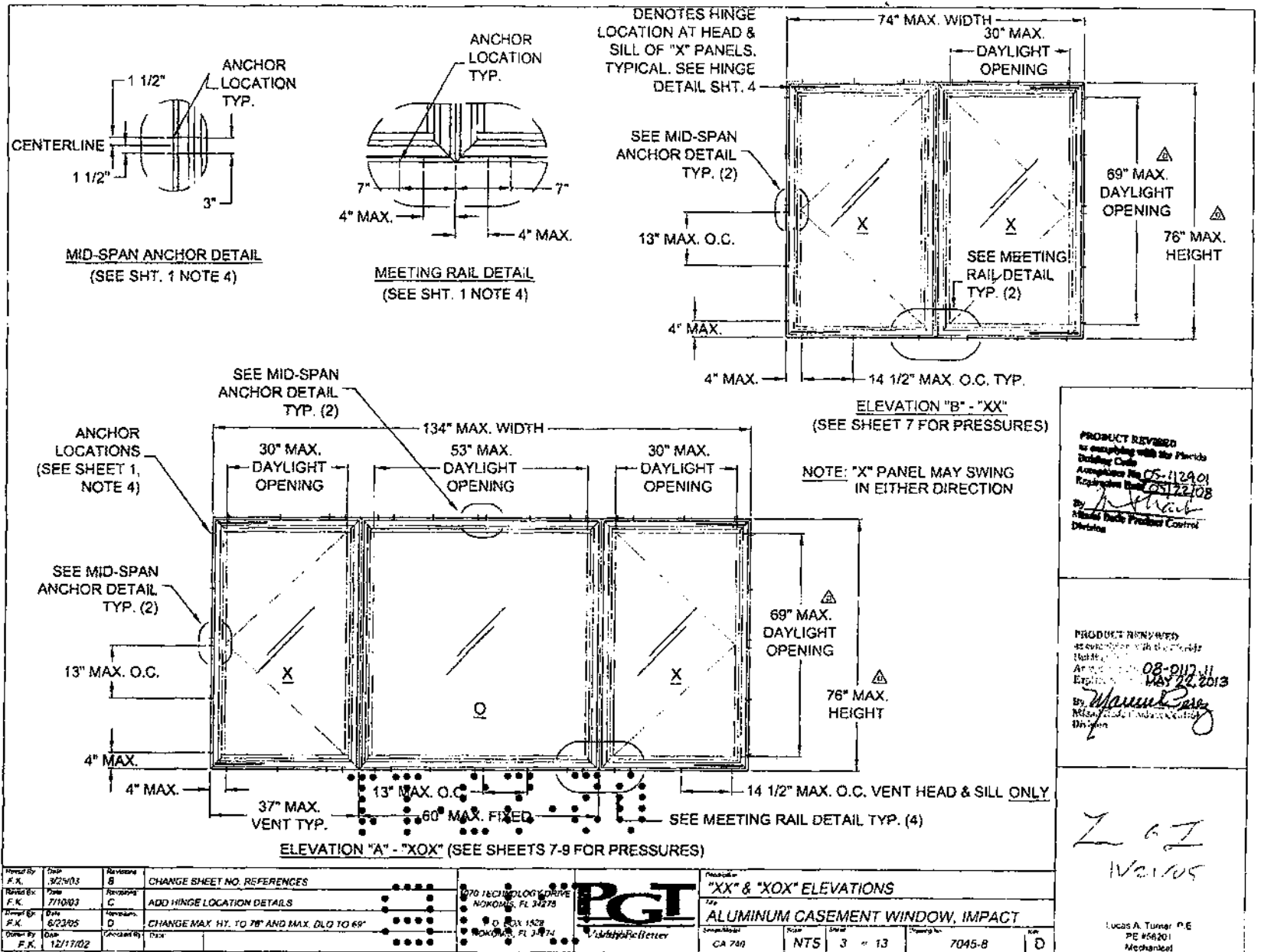
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as complying with the Florida
Building Code
Acceptance No. CS-0117-11
Expiration Date 05/22/2013
By: *[Signature]*
Miami Dade Building Control
Division

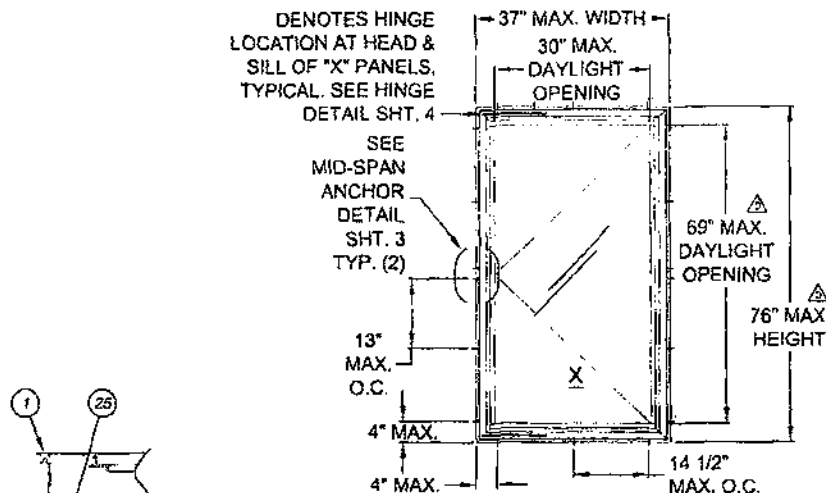
Lucas
11/20/05

Revised By: F.K.	Date: 3/25/01	Revisions: B	ADD 13/16" I.G. & MOVE GLAZING DETAILS TO SHEET 9	3720 TECHNOLOGICAL DRIVE NOKIA FL 34275	Director	NOTES AND TABLE OF CONTENTS			
Revised By: F.K.	Date: 7/10/03	Revisions: C	NO CHANGE THIS SHEET		1st	ALUMINUM CASEMENT WINDOW, IMPACT			
Revised By: F.K.	Date: 5/22/05	Revisions: D	ADD 76" HT. GLASS TYPES F AND G. REVISE ANCHORAGE	P.O. BOX 1429 NOKIA, FL 34275	Manufacturer	CA-740	Scale	NTS	1 - 13
Drawn By: F.K.	Date: 12/17/02	Check By:			Division	7045-8	Rev.	D	

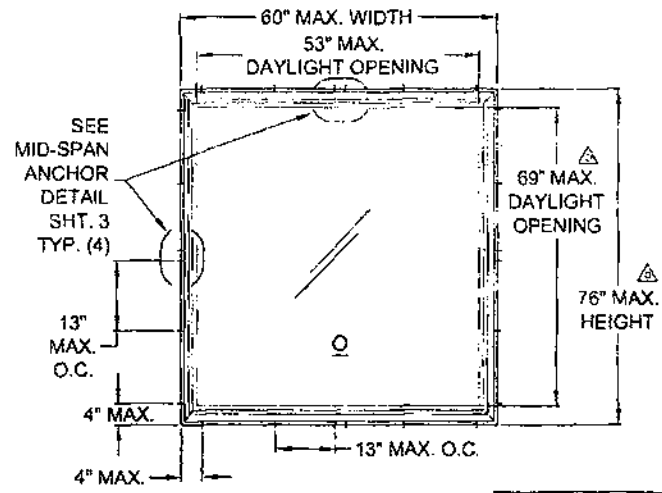
Lucas A. Turner, P.E.
PE #58201
Mechanical



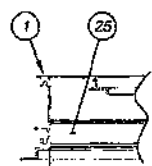




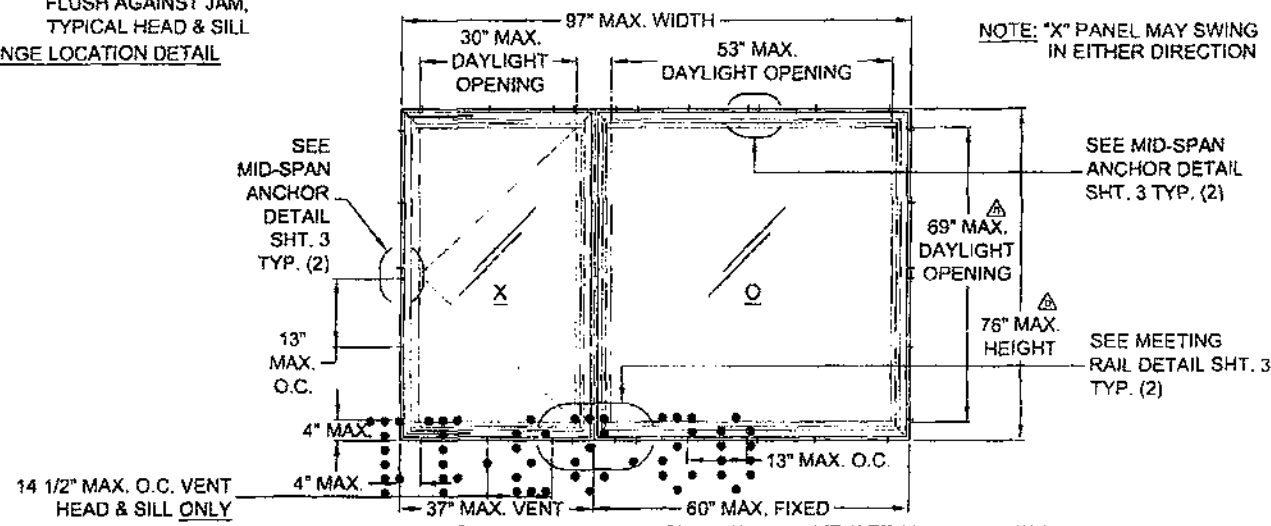
ELEVATION "D" - "X"
(SEE SHEET 5 FOR PRESSURES)



ELEVATION "E" - "O"
(SEE SHEET 7 FOR PRESSURES)



HINGE LOCATED APPROX.
FLUSH AGAINST JAM,
TYPICAL HEAD & SILL
HINGE LOCATION DETAIL



ELEVATION "F" - "XO" & "OX" UNEQUAL LITE (SEE SHEETS 8-9 FOR PRESSURES)

NOTE: "X" PANEL MAY SWING
IN EITHER DIRECTION

PRODUCT REVISED
to comply with the Florida
Building Code
Amendment No. 12911
Effective Date 08/22/03
By *[Signature]*
Miami House Product Control
Division

PRODUCT REVISED
to comply with the Florida
Building Code
Amendment No. 12911
Effective Date 08/22/03
By *[Signature]*
Miami House Product Control
Division

L. A. J.
11/21/05

Revised By F.K.	Date 3/25/03	Revised By B.	Date 3/25/03	Revised By C.	Date 3/25/03	Revised By D.	Date 3/25/03	Revised By F.K.	Date 12/17/02
CHANGE SHEET NO. REFERENCES									
ADD HINGE DETAIL & HINGE LOCATION NOTES									
CHANGE MAX. HT. TO 76" AND MAX. DLG TO 89"									
370 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P.O. BOX 1573 NOKOMIS, FL 34275									
ALUMINUM CASEMENT WINDOW, IMPACT									
Model No. F.K.	GA-740	Size NTS	Shade 4 x 13	Order No. 7045-8	Rev. D				

Lucas A. Turner, P.E.
PE #66201
Mechanical

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Asymmetric 05-1129.11
 Expiration Date 05/22/08
 By *[Signature]*
 Michael Daily Product Control
 Division

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 08-0117-11
Expiration Date MAY 24, 2013
By Maureen Rose
Miami Code Product Control
Division

X

THE FULL DESIGN PRESSURES IN THE ABOVE
USE IS LIMITED TO 89.6 P.S.F.

Lucas & Turner, P.F.
DE #58706
Astrophysical

COMPARATIVE ANALYSIS TABLE 6.			"O" & "1/4-1/2-1/4 XOX" WINDOWS																TEST REPORTS: FTL-3582, FTL-3728, FTL-4807, FTL-4808											
GLAZING OPTIONS:			A. 5/16" LAMI (1/8"A, 0.90, 1/8"HS) B. 5/16" LAMI (1/8"HS, 0.90, 1/8"HS) C. 7/16" LAMI (3/16"A, 0.90, 3/16"HS)																E. 13/16" LAMI (1/8"HS, 3/8" SPACE, 5/16" LAMI-W/ 1/8"HS, 0.90, 1/8"HS) F. 13/16" LAMI (1/8"A, AIR SPACE, 7/16" LAMI-W/ 3/16"A, 0.90, 3/16"HS)											
			HEIGHT																											
WIDTHS			28		31		36		38 3/8		43		48		50 5/8		54		57		60		63		67		72		76	
"O"	"XOX"		NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS
36	72	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-70.4	70.0	-60.4	60.4	-54.3	54.3	-51.1	51.1	-47.9	47.9	-44.8	44.8	-42.2	42.2	-39.7	39.7						
		B,E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0						
		C,F	-80.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-55.0	55.0	-55.0	55.0	-55.0	55.0
37	74	A	-75.0	70.0	-75.0	70.0	-73.7	70.0	-67.9	67.9	-59.0	59.0	-52.8	52.8	-49.8	49.8	-46.4	46.4	-43.5	43.5	-41.1	41.1	-38.8	38.8						
		B,E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0						
		C,F	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-55.0	55.0	-55.0	55.0	-55.0	55.0
39 1/2	78	A	-75.0	70.0	-75.0	70.0	-67.8	67.8	-62.1	62.1	-55.7	55.7	-49.8	49.8	-46.9	46.9	-43.6	43.6	-41.1	41.1	-38.8	38.8	-36.5	36.5						
		B,E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0						
		C,F	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-55.0	55.0	-55.0	55.0	-55.0	55.0
42	84	A	-75.0	70.0	-75.0	70.0	-62.4	62.4	-58.4	58.4	-53.3	53.3	-48.4	48.4	-45.4	45.4	-42.2	42.2	-40.1	40.1	-38.8	38.8	-36.5	36.5						
		B,E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0						
		C,F	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-55.0	55.0	-55.0	55.0	-55.0	55.0
45	90	A	-75.0	70.0	-70.3	70.0	-58.0	58.0	-54.8	54.8	-50.3	50.3	-45.6	45.6	-42.5	42.5	-40.1	40.1	-38.7	38.7	-36.7	36.7								
		B,E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0						
		C,F	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-55.0	55.0	-55.0	55.0	-55.0	55.0
48	96	A	-75.0	70.0	-65.0	65.0	-54.3	54.3	-51.1	51.1	-48.1	48.1	-44.2	44.2	-42.2	42.2	-40.1	40.1	-38.8	38.8	-36.5	36.5								
		B,E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0						
		C,F	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-55.0	55.0	-55.0	55.0	-55.0	55.0
50 1/2	101	A	-75.0	70.0	-60.8	60.8	-51.3	51.3	-48.3	48.3	-45.7	45.7	-42.7	42.7	-40.1	40.1	-38.8	38.8	-36.5	36.5	-34.2	34.2								
		B,E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0						
		C,F	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-55.0	55.0	-55.0	55.0	-55.0	55.0
53 1/8	106 3/8	A	-75.0	70.0	-58.7	58.7	-48.7	48.7	-45.4	45.4	-42.2	42.2	-40.1	40.1	-38.8	38.8	-36.5	36.5	-34.2	34.2										
		B,E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0						
		C,F	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-55.0	55.0	-55.0	55.0	-55.0	55.0
54	108	A	-75.0	70.0	-58.2	58.2	-47.9	47.9	-44.5	44.5	-41.1	41.1	-38.8	38.8	-36.5	36.5	-34.2	34.2	-32.8	32.8	-31.4	31.4								
		B,E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0						
		C,F	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-55.0	55.0	-55.0	55.0	-55.0	55.0
55 1/2	111	A	-75.0	70.0	-57.1	57.1	-46.4	46.4	-43.3	43.3	-40.1	40.1	-38.8	38.8	-36.5	36.5	-34.2	34.2	-32.8	32.8	-31.4	31.4								
		B,E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0						
		C,F	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-55.0	55.0	-55.0	55.0	-55.0	55.0
57	114	A	-75.0	70.0	-56.2	56.2	-44.8	44.8	-42.1	42.1	-40.1	40.1	-38.8	38.8	-36.5	36.5	-34.2	34.2	-32.8	32.8	-31.4	31.4								
		B,E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0						
		C,F	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-55.0	55.0	-55.0	55.0	-55.0	55.0
58 1/2	117	A	-74.2	70.0	-55.0	55.0	-43.4	43.4	-40.9	40.9	-44.8	44.8	-41.3	41.3	-40.2	40.2	-38.7	38.7	-37.6	37.6	-36.1	36.1								
		B,E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0						
		C,F	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-55.0	55.0	-55.0	55.0	-55.0	55.0
60	120	A	-72.9	70.0	-53.4	53.4	-42.2	42.2	-39.7	39.7	-43.5	43.5	-40.4	40.4	-38.2	38.2	-37.6	37.6	-36.7	36.7	-35.5	35.5								
		B,E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0						
		C,F	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-55.0	55.0	-55.0	55.0	-55.0	55.0

TABLE 7.	"O" & "1/4-1/2-1/4 XOX" WINDOWS										TEST REPORT: FTL-3580										
GLAZING OPTION: D. 7/16" LAMI (3/16" HS, 0.90, 3/16" HS)																					
ALL "O" SIZES UP TO 60" WIDE x 63" HIGH AND ALL "1/4-1/2-1/4 XOX" SIZES UP TO 120" WIDE x 63" HIGH																					
										-90.0										70.0	

COMPARATIVE ANALYSIS TABLE 8.												"XO" OR "OX" & "1/3-1/3-1/3 XO" WINDOWS												TEST REPORT: FTL-3582			
GLAZING OPTION: A. 5/16" LAMI (1/8"A.,.090,1/8"HS)																											
"XO" WIDTH	"XOX" WIDTH		HEIGHT																								
			28		31		36		38 3/8		43		48		50 5/8		54		57		60		63				
			NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS			
37	55 1/2	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0			
48	72	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0			
49 1/3	74	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0			
53 1/8	79 2/3	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0			
56	84	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-71.9	70.0	-67.7	67.7	-64.9	64.9	-62.7	62.7	-60.4	60.4	
60	90	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-68.4	68.4	-63.9	63.9	-60.0	60.0	-58.5	58.5	-56.2	56.2	-53.4	53.4			
64	96	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-71.1	70.0	-61.8	61.8	-58.9	58.9	-56.1	56.1	-53.8	53.8	-50.4	50.4	-47.7	47.7			
67.333	101	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-66.4	66.4	-58.2	58.2	-55.6	55.6	-52.6	52.6	-49.4	49.4	-45.9	45.9	-43.1	43.1			
70.917	106 3/8	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-71.8	70.0	-61.8	61.8	-55.1	55.1	-51.9	51.9	-48.9	48.9	-45.8	45.8	-42.8	42.8	-40.3	40.3			
72	108	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-70.4	70.0	-60.4	60.4	-54.3	54.3	-51.1	51.1	-47.9	47.9	-44.8	44.8	-42.2	42.2	-39.7	39.7			
74	111	A	-75.0	70.0	-75.0	70.0	-73.7	70.0	-67.9	67.9	-59.0	59.0	-52.8	52.8	-49.9	49.9	-46.4	46.4	-43.5	43.5	-41.1	41.1	-38.6	38.6			

TABLE 9.	"XO" or "OX" & "1/3-1/3-1/3 XO" WINDOWS												TEST REPORTS: FTL-3582, FTL-3729	
GLAZING OPTIONS: B. 5/16" LAMI (1/8"HS, .090, 1/8"HS) E. 13/16" LAMI (1/8"HS 3/8" SPACE, 5/16" LAMI-W/ 1/8"HS, .090, 1/8"HS)														
ALL "XO" OR "OX" SIZES UP TO 74" WIDE x 63" HIGH AND ALL "1/3-1/3-1/3 XO" SIZES UP TO 111" WIDE x 63" HIGH													-75.0	70.0

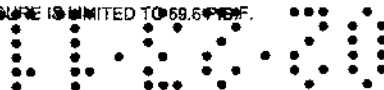
TABLE 10.	"XO" or "OX" & "1/3-1/3-1/3 XO" WINDOWS										TEST REPORT: FTL-3580	
GLAZING OPTION: C. 7/16" LAMI (3/16"A., .090, 3/16"HS)												
ALL "XO" OR "OX" SIZES UP TO 74" WIDE x 63" HIGH AND ALL "1/3-1/3-1/3 XO" SIZES UP TO 111" WIDE x 63" HIGH											-90.0	70.0

TABLE 10A.	"XO" or "OX" & "1/3-1/3-1/3 XO" WINDOWS										TEST REPORTS: FTL-3580, FTL-4607, FTL-4608										
GLAZING OPTIONS: C. 7/16" LAMI (3/16"A., .090, 3/16"HS) F. 13/16" LAMI (1/8"A, AIR SPACE, 7/16" LAMI-W/ 3/16"A., .090, 3/16"HS)																					
ALL "XO" OR "OX" SIZES UP TO 74" WIDE x 76" HIGH AND ALL "1/3-1/3-1/3 XO" SIZES UP TO 111" WIDE x 76" HIGH																				-55.0	55.0

△

NOTES: △

1. FOR INSTALLATIONS IN WOOD OR CONCRETE TO THE FULL DESIGN PRESSURES IN THE ABOVE TABLES, USE ELCO 1/4" TAPCONS OR 1/4" SS4 CRETE-FLEX ANCHORS.
2. IF INSTALLING WITH #12 SCREWS, DESIGN PRESSURE IS LIMITED TO 69.6 PSF.



Revised By F.K.	Date 3/22/03	Revision B	ADD GLASS TYPE E TO TABLE 9	Revised By F.K.	Date 7/10/03	Revision C	NO CHANGE THIS SHEET	Revised By F.K.	Date 6/23/05	Revision D	CHANGE ANCHORS AND ADD 76" HEIGHT OPTION	Revised By F.K.	Date 12/17/02	Revision E	ADD 76" HEIGHT OPTION
870 TECHNOLOGY DRIVE HOLMWOOD, FL 33428								Description: PRESSURES- XO, OX, & 1/3-1/3-1/3 XOX WINDOWS Title: ALUMINUM CASEMENT WINDOW, IMPACT Manufacturer: CA-740 Scale: NTS Quantity: 8 ~ 13 Drawing No: 7045-6 Part: D							

1/3	1/3	1/3
X	O	X

X	O
---	---

O	X
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PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 05-1129-11
Expedited Date 05/12/08
By: [Signature]
Michael E. Decker, Product Control
Division

PRODUCT REVIEWED
in compliance with the Florida
Building Code
Acceptance No. 08-0117-11
Expedited Date MAY 27, 2013
By: [Signature]
Michael E. Decker, Product Control
Division

Low OZ
11/21/05

Lucas A. Turner P.E.
PE #36201
Mechanical

COMPARATIVE ANALYSIS TABLE 11. "XO" or "OX" & "XOX" UNEQUAL LITE WINDOWS TEST REPORTS: FTL-3580, FTL-3582, FTL-3729, FTL-4607, FTL-4608

GLAZING OPTIONS: A. 5/16" LAMI (1/8" A, .090, 3/16" HS) B. 5/16" LAMI (1/8" HS, .090, 1/8" HS) C. 7/16" LAMI (3/16" A, .090, 3/16" HS)
E. 13/16" LAMI (1/8" HS, 3/8" SPACE, 5/16" LAMI-W/ 1/8" HS, .090, 1/8" HS) F. 13/16" LAMI (1/8" A, AIR SPACE, 7/16" LAMI-W/ 3/16" A, .090, 3/16" HS)

WIDTHS			HEIGHT																										
			26		36		38 3/8		43		48		50 5/8		54		57		60		63		67		72		76		
"XOX"	VENT	FIXED	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	
68.264	19.125	31.014	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-74.1	70.0	-64.9	64.9	-60.6	60.6	-58.1	58.1	-58.1	58.1	-53.3	53.3	-50.5	50.5						
			B.E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
			C.F	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-55.0	55.0	-55.0	55.0
68.919	24	38.919	A	-75.0	70.0	-69.1	69.1	-63.4	63.4	-56.5	56.5	-50.4	50.4	-47.5	47.5	-44.1	44.1	-41.6	41.6	-39.2	39.2	-36.9	36.9						
			B.E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
			C.F	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-55.0	55.0	-55.0	55.0
95.873	27	42.873	A	-75.0	70.0	-60.5	60.5	-57.2	57.2	-52.1	52.1	-55.2	55.2	-52.8	52.8	-49.1	49.1	-46.2	46.2	-43.6	43.6	-41.1	41.1						
			B.E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
			C.F	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-55.0	55.0	-55.0	55.0
108.649	30	48.649	A	-75.0	70.0	-53.5	53.5	-50.4	50.4	-54.5	54.5	-50.7	50.7	-48.2	48.2	-44.9	44.9	-42.0	42.0	-40.1	40.1	-38.0	38.0						
			B.E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
			C.F	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-55.0	55.0	-55.0	55.0
115.892	32	51.892	A	-75.0	70.0	-49.9	49.9	-46.8	46.8	-51.3	51.3	-47.4	47.4	-45.5	45.5	-42.7	42.7	-40.7	40.7	-38.6	38.6	-36.6	36.6						
			B.E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
			C.F	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-55.0	55.0	-55.0	55.0
122	33.687	54.627	A	-75.0	70.0	-47.3	47.3	-44.0	44.0	-48.4	48.4	-44.7	44.7	-42.8	42.8	-41.4	41.4	-39.5	39.5	-37.5	37.5	-35.7	35.7						
			B.E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
			C.F	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-55.0	55.0	-55.0	55.0
123.135	34	55.135	A	-75.0	70.0	-46.8	46.8	-43.6	43.6	-47.9	47.9	-44.3	44.3	-42.4	42.4	-41.1	41.1	-39.3	39.3	-37.3	37.3	-35.6	35.6						
			B.E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
			C.F	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-55.0	55.0	-55.0	55.0
128.000	34.791	58.418	A	-75.0	70.0	-45.5	45.5	-42.6	42.6	-46.7	46.7	-43.1	43.1	-41.6	41.6	-40.2	40.2	-38.7	38.7	-36.9	36.9	-35.0	35.0						
			B.E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
			C.F	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-55.0	55.0	-55.0	55.0
130	35.896	58.209	A	-74.4	70.0	-43.8	43.8	-41.2	41.2	-45.1	45.1	-41.5	41.5	-40.4	40.4	-38.9	38.9	-37.7	37.7	-36.2	36.2	-34.3	34.3						
			B.E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
			C.F	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-55.0	55.0	-55.0	55.0
130.378	38	58.378	A	-74.3	70.0	-43.5	43.5	-41.0	41.0	-45.0	45.0	-41.4	41.4	-40.3	40.3	-38.8	38.8	-37.8	37.8	-36.1	36.1	-34.3	34.3						
			B.E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
			C.F	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-55.0	55.0	-55.0	55.0
134	37	80	A	-72.9	70.0	-42.2	42.2	-39.7	39.7	-43.5	43.5	-40.4	40.4	-39.2	39.2	-37.7	37.7	-36.7	36.7	-35.5	35.5	-33.7	33.7						
			B.E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
			C.F	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-80.0	70.0	-55.0	55.0	-55.0	55.0

"XO" & "OX" WINDOW WIDTHS EQUAL THE SUM OF THE VENT WIDTH AND THE FIXED WIDTH.

TABLE 12. "XO" or "OX" & "XOX" UNEQUAL LITE WINDOWS TEST REPORT: FTL-3580		
GLAZING OPTION: D. 7/16" LAMI (3/16" HS, .090, 3/16" HS)		
ALL "XOX" SIZES UP TO 134" WIDE x 83" HIGH WITH 37" MAX. VENT WIDTH AND 60" MAX. FIXED WIDTH AND		-90.0 70.0
ALL "XO" or "OX" SIZES UP TO 97" WIDE x 83" HIGH WITH 37" MAX. VENT WIDTH AND 60" MAX. FIXED WIDTH		

TABLE 12A. "XO" or "OX" & "XOX" UNEQUAL LITE WINDOWS TEST REPORTS: FTL-3580, FTL-4607, FTL-4608		
GLAZING OPTIONS: D. 7/16" LAMI (3/16" HS, .090, 3/16" HS) G. 13/16" LAMI (1/8" A, AIR SPACE, 7/16" LAMI-W/ 3/16" HS, .090, 3/16" HS)		
ALL "XOX" SIZES UP TO 134" WIDE x 76" HIGH WITH 37" MAX. VENT WIDTH AND 60" MAX. FIXED WIDTH AND		-55.0 55.0
ALL "XO" or "OX" SIZES UP TO 97" WIDE x 76" HIGH WITH 37" MAX. VENT WIDTH AND 60" MAX. FIXED WIDTH		

NOTES: 1. FOR INSTALLATIONS IN WOOD OR CONCRETE TO THE FULL DESIGN PRESSURES IN THE ABOVE TABLES, USE ELCO 1/4" TAPCONS OR 1/4" SS4 CRETE-FLEX ANCHORS.
2. IF INSTALLING WITH #12 SCREWS, DESIGN PRESSURE IS LIMITED TO 69.6 P.S.F.

Drawn by: F.K. Date: 3/25/03 Checked by: F.K. Date: 7/10/03 Approved by: F.K. Date: 6/23/05 Drawn by: F.K. Date: 12/17/02	Description: B Add Glass Type E to Table 11 Description: C NO CHANGE THIS SHEET Description: D CHANGE ANCHORS AND ADD 76" HEIGHT OPTION	1970 TECHNOLOGY DRIVE NOKOMIS, FL 33473 P.O. BOX 1437 NOKOMIS, FL 33474	 PRESSURES- UNEQUAL CONFIG. XO, OX & XOX ALUMINUM CASEMENT WINDOW, IMPACT CA-740 NTS 9 13 7045-B D
--	--	--	--

X	O	X
---	---	---

UNEQUAL LITES

X	O
---	---

UNEQUAL LITES

O	X
---	---

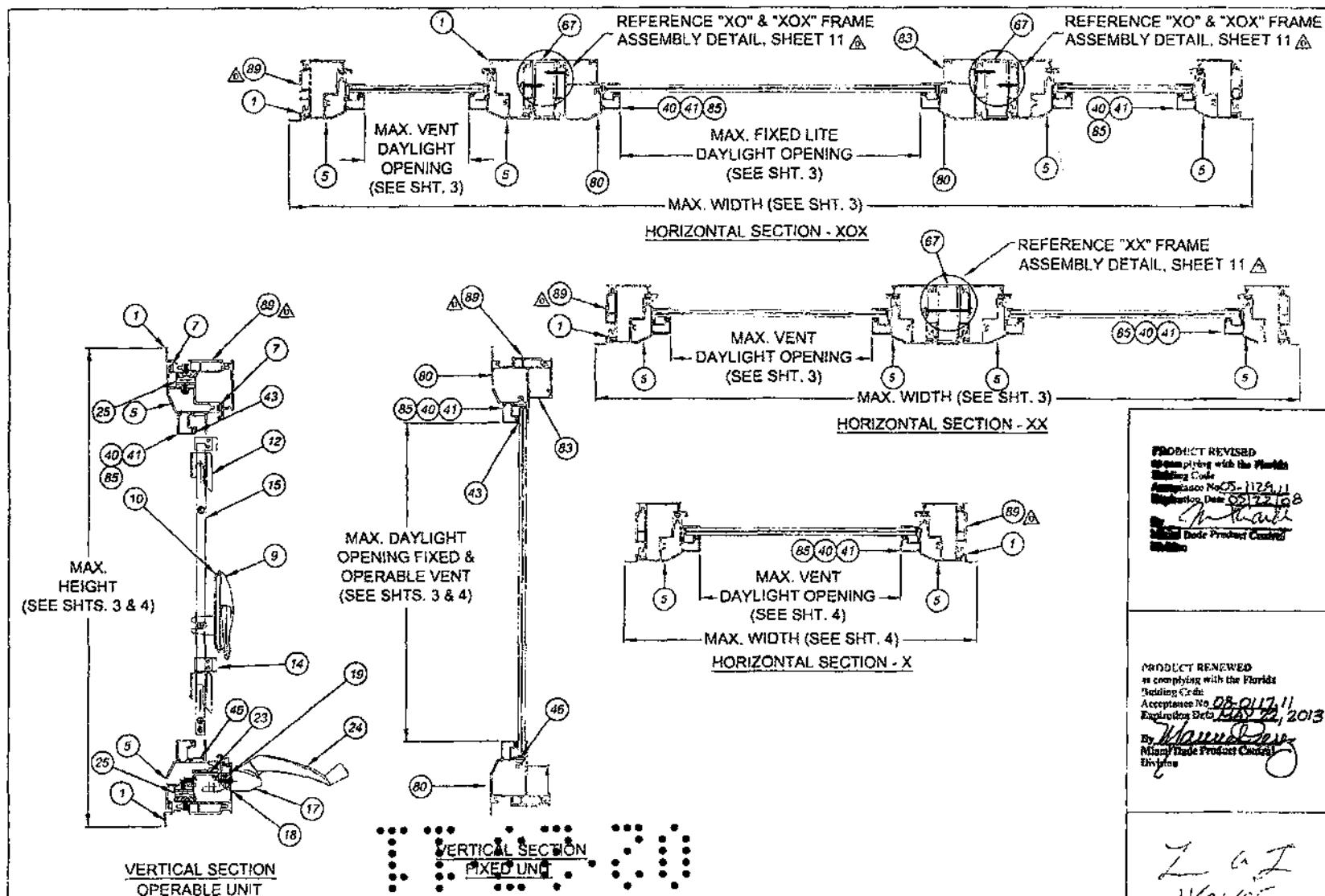
UNEQUAL LITES

PRODUCT REVISION
as completed by the Florida
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Acceptance Unit
Registration No. 05124220
By: [Signature]
Miami Code Product Control
Division

PRODUCT REVISION
as completed by the Florida
Building Code
Acceptance Unit
Registration No. 08-017-11
May 24, 2013
By: [Signature]
Miami Code Product Control
Division

L.A.Z
11/2/05

Louis A. Turner, P.E.
ME 958201
Mechanical



PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 05-1129-11
 Expiration Date 05/22/18
 By: *[Signature]*
 Miami Trade Products Control
 Division

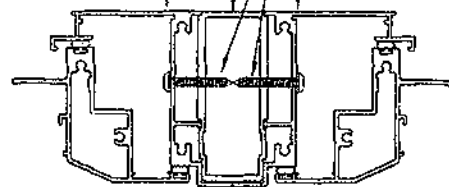
PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 05-0117-11
 Expiration Date 05/22/2013
 By: *[Signature]*
 Miami Trade Products Control
 Division

L A I
 11/21/05

Revised By: F.K.	Date: 3/25/03	Approved: B	ADD 1345 I.G. GLAZING BEAD ITEM	 THIRD TECHNOLOGY DRIVE MIAMI, FL 33171 P.O. BOX 1529 MIAMI, FL 33171 <i>Visibly Better</i>	SECTIONS Title: ALUMINUM CASEMENT WINDOW, IMPACT Standard: CA-740 Scale: NTS Size: 10 x 13 Drawing No: 7045-8 Rev: D			
Revised By: F.K.	Date: 7/10/03	Revisions: C	SHOW TOP HINGE					
Revised By: F.K.	Date: 8/23/05	Revisions: D	CHG SHT. NO. REF. AND ADD ITEM 89					
Drawn By: F.K.	Date: 12/17/02	Checked By:						

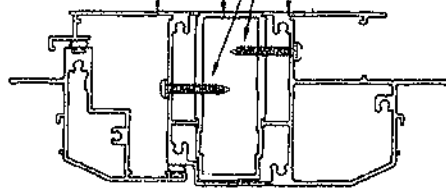
Lucas A. Turner, P.E.
 PE #58201
 Mcham-rat

FRAME ASSEMBLY
TUBE, MAT'L: 6063-T6
"X" FRAME JAMB
"X" FRAME JAMB
#12x1 PH TEK SMS
13" MAX. O.C. W/ (2) SCREWS
3" APART AT MID-SPAN

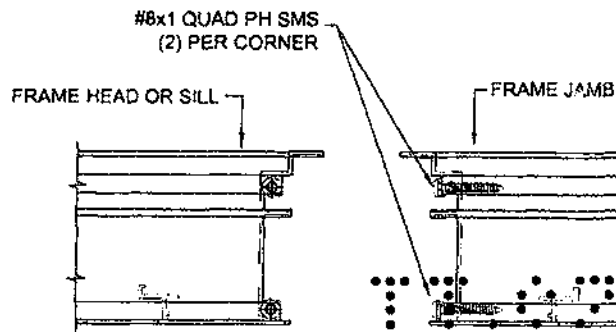


"XX" FRAME ASSEMBLY DETAIL

FRAME ASSEMBLY
TUBE, MAT'L: 6063-T6
"X" FRAME JAMB
"O" FRAME JAMB
#12x1 PH TEK SMS
13" MAX. O.C. W/ (2) SCREWS
3" APART AT MID-SPAN

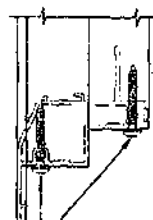


"XO" & "XOX" FRAME ASSEMBLY DETAIL

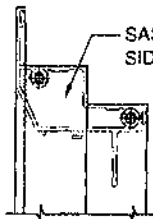


MAIN FRAME ASSEMBLY DETAIL

NOTE: ALL ALUMINUM SHALL BE OF 6063-T6



SASH FRAME TOP
OR BOTTOM RAIL

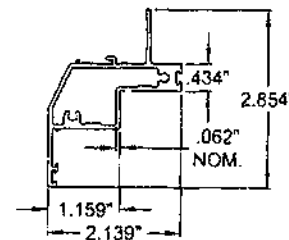


SASH FRAME
SIDE RAIL

SASH FRAME ASSEMBLY DETAIL

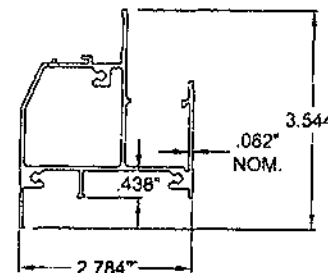


89 CASEMENT BACKING PLATE
MAT'L: 6063-T6
DWG# 7071



5 SASH FRAME HEAD, SILL, JAMB
MAT'L: 6063-T6
DWG# 7003A

1 FRAME HEAD, SILL, JAMB
MAT'L: 6063-T6
DWG# 7002A



80 FIXED FRAME HEAD, SILL, JAMB
MAT'L: 6063-T6
DWG# 7005A

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in compliance with the Florida
Building Code
Inspector No. 11724
Signature Date 08/27/11
By [Signature]
Middle Atlantic Product Control
Division

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in compliance with the Florida
Building Code
Inspector No. 08-0117-11
Signature Date 08/27/11
By [Signature]
Middle Atlantic Product Control
Division

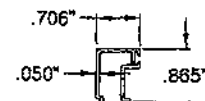
Z 02
11/21/05

Revised By F.K.	Date 3/25/03	Revisions B	NO CHANGE THIS SHEET		EXTRUSIONS & ASSEMBLY DETAILS ALUMINUM CASEMENT WINDOW, IMPACT	CA-740 NTS 11 x 13 7045-B D
Revised By F.K.	Date 7/10/03	Revisions C	NO CHANGE THIS SHEET			
Revised By F.K.	Date 4/23/05	Revisions D	ADD ITEM 89			
Revised By F.K.	Date 12/17/02	Revisions				
Revised By F.K.	Date	Revisions				

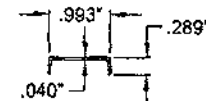
Lucas A. [Signature], P.E.
PE #5820
Midd. Atl. Div.

ITEM	DWG #	PGT. #	PARTS LIST	DESCRIPTION
1	7002A		MAIN FRAME - HEAD, SILL & JAMBS	
2	1155	781PQA	#8 X 1 QUAD PH SMS	
3	7006		FRAME CORNER KEY	
4			1/2" X 1/2" X 1/8" CLOSED-CELL FOAM TAPE	
5	7003A		SASH - TOP, BOTTOM & SIDE RAILS	
6	1155	781PQA	#8 X 1 QUAD PH SMS	
7	7017	67017K	BULB WEATHERSTRIP - 187X 240	
8	7009		SASH CORNER KEY	
9	7024		MAXIM MULTI-POINT LOCK	
10	7026		LOCK SUPPORT PLATE	
11			410-24 X .562 PH. PN. TYPE F	
12	7014		MULTI-LOCK KEEPER (R.H. & L.H.)	
13	1157	78X78PFSMS	#8 X .875 PH. PN. SMS	
14	7013		TIE BAR GUIDE	
15	7015		TIE BAR ASSEMBLY	
16	7028		MAXIM DYAD OPERATOR	
17	7027		MAXIM DUAL ARM OPERATOR	
18	7030		OPERATOR GASKET	
19	7031		BACKING PLATE	
20			#8-32 X .375 PH. PN. TYPE B	
21	7032		STUD BRACKET (L.H. & R.H.)	
22		7858/2A	#8 X 5/8" FLT. PHL SMS	
23	7033		OPERATOR TRACK & SLIDER (DUAL ARM)	
24	7022		SNAP-ON HANDLE	
25	7023		12" HINGE (HEAVY DUTY)	
26		710x12FP	#10 X .500 PH. PHL	
30			5/16" LAMINATED (1/8" A & 1/8" B GLASS)	
			.090 INTERLAYER - SOLUTIA OR DUPONT PVB	
31			5/16" LAMINATED (1/8" HS & 1/8" HS GLASS)	
			.090 INTERLAYER - SOLUTIA OR DUPONT PVB	
32			7/16" LAMINATED (3/16" A & 3/16" B GLASS)	
			.090 INTERLAYER - SOLUTIA OR DUPONT PVB	
33			7/16" LAMINATED (3/16" HS & 3/16" HS GLASS)	
			.090 INTERLAYER - SOLUTIA OR DUPONT PVB	
40	7036		GLAZING BEAD (5/16")	
41	7042		GLAZING BEAD (7/16")	
43	1224	6TP247	VINYL BULB WSTP (THICK)	
44			SILICONE - DOW CORNING 890, 995 OR EQUIV.	
45			PARABOND	
46	1634	6163K	SETTING BLOCK	
50	7006		SCREEN FRAME	
51	7040		SCREEN CORNER KEY	
52			SCREEN CLOTH	
53	1635	61635K	SCREEN SPIRE - SERRATED	
54	331	60976	CASEMENT SCREEN CLIP	
55		78x12PSTW/B	#8 X .500 SQ. PN. TEK SMS	
67	7004A	67004	CASEMENT FRAME ASSY. TUBE	
68		712X1PPT	#12 X 1" PH. PHL. TEK	
69	7011		LOCK SUPPORT PLATE	
70	7012		LOCK SPACER	
71	7019	711573	SNAP-ON T-HANDLE KNOB	
72	7018	7FLDHD	FOLDING HANDLE	

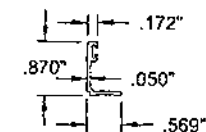
ITEM	DWG #	PGT. #	PARTS LIST CONT.	DESCRIPTION
73	7025		MAXIM SINGLE LOCK	
74	7016		SINGLE LOCK KEEPER	
75		70834A	#8 X .750 QUAD PH SMS	
80	7005A		FIXED WINDOW FRAME - HEAD, SILL & JAMBS	
81	1155	781PQA	#8 X 1 QUAD PH SMS	
82	7010		FIXED FRAME CORNER KEY	
83	7007		INSTALLATION HOLE COVER	
85	7047	67407	GLAZING BEAD (13/16" LG.)	
86		13/16"	I.G. GLASS (1/8" HS, AIR SPACE, 3/16" LAMI) 5/16" LAMI -	
			(2) LITES OF 1/8" HS GLASS WITH AN .090 INTERLAYER - SOLUTIA OR DUPONT PVB	
87		13/16"	I.G. GLASS (1/8" HS, AIR SPACE, 7/16" LAMI) 7/16" LAMI -	
			3/16" A & 3/16" HS GLASS WITH AN .090 INTERLAYER - SOLUTIA OR DUPONT PVB	
88		13/16"	I.G. GLASS (1/8" HS, AIR SPACE, 7/16" LAMI) 7/16" LAMI -	
			3/16" HS & 3/16" HS GLASS WITH AN .090 INTERLAYER - SOLUTIA OR DUPONT PVB	
89	7071	67071	CASEMENT BACKING PLATE (SEE NOTE 4, SHEET 13)	



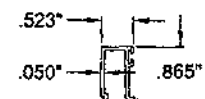
40 5/16" GLAZING BEAD
MAT'L: 6063-T6
DWG# 7036



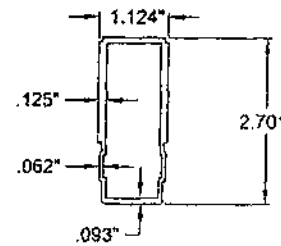
83 INSTALLATION HOLE COVER
MAT'L: 6063-T6
DWG# 7007



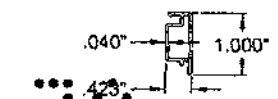
85 13/16" GLAZING BEAD
MAT'L: 6063-T6
DWG# 7047



41 7/16" GLAZING BEAD
MAT'L: 6063-T6
DWG# 7042



67 CASEMENT FRAME
ASSEMBLY TUBE
MAT'L: 6063-T6
DWG# 7004A



50 CASEMENT SCREEN FRAME
MAT'L: 6063-T6
DWG# 7006

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 05-1129-11
Expiration Date 05/12/2016
By *[Signature]*
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PRODUCT RENEWED
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Acceptance No. 08-012-11
Expiration Date 08/22/2013
By *[Signature]*
Miami Made Product Control
Division

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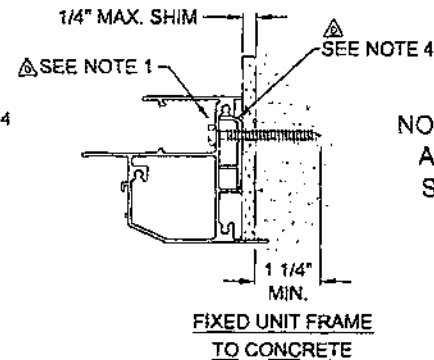
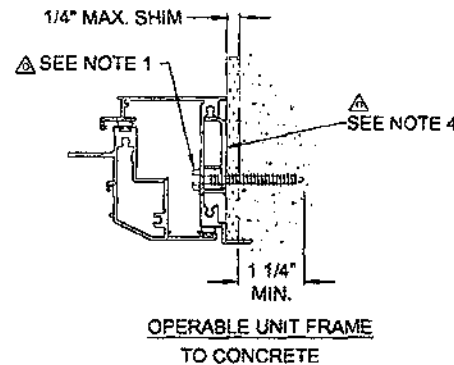
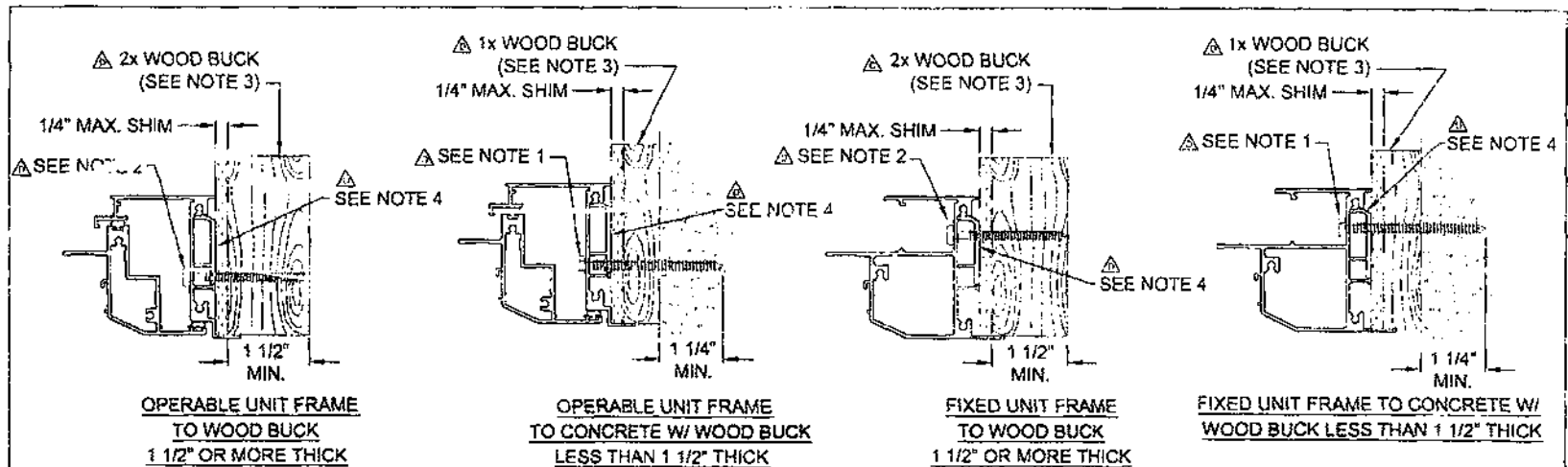
Revised By: F.K.	Date: 3/25/03	Revised By: B	Date: 3/25/03	ADD 13/16" I.G. GLASS & GLAZING BEAD
Revised By: F.K.	Date: 7/10/03	Revised By: C	Date: 7/10/03	NO CHANGE THIS SHEET
Revised By: F.K.	Date: 6/23/05	Revised By: D	Date: 6/23/05	ADD EQUIV. TO ITEM 44, SILICONE AND ADD ITEMS 87, 88 AND 89
Drawn By: F.K.	Date: 12/17/02	Checked By:	Date:	

9018 TECHNOLOGY DRIVE
NOKOMIS, FL 33475
P.O. BOX 1128
NOKOMIS, FL 33475



PARTS LIST & EXTRUSIONS			
ALUMINUM CASEMENT WINDOW, IMPACT			
Manufacturer: CA-740	Scale: NTS	Sheet: 12 of 13	Drawing No: 7045-8
Rev: D			

LUCAS A. TILLOT, P.E.
PE #58201
Mechanical



NOTE: ALL DETAILS APPLY TO HEAD, SILL, AND JAMB.

NOTES: △

1. FOR CONCRETE APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED 1/4" ELCO TAPCONS OR 1/4" SS4 CRETE-FLEX CONCRETE ANCHORS. MINIMUM DISTANCE FROM ANCHOR TO CONCRETE EDGE IS 2 1/2". SEE SHEET 1 FOR SPACING.
2. FOR WOOD APPLICATIONS IN MIAMI-DADE COUNTY, USE #12 SCREWS, 1/4" ELCO TAPCONS OR 1/4" ELCO SS4 CRETE-FLEX. SEE SHEET 1 FOR SPACING.
3. WOOD BUCKS DEPICTED IN THE SECTIONS ON THIS PAGE AS 1x WOOD BUCKS WHOSE TOTAL THICKNESS IS LESS THAN 1 1/2". 1x WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SOLID CONCRETE. WOOD BUCKS DEPICTED AS 2x ARE 1 1/2" THICK OR GREATER. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY OTHERS OR AS APPROVED BY AUTHORITY HAVING JURISDICTION.
4. ITEM 89, BACKING PLATE, NOT REQUIRED FOR INSTALLATIONS OUTSIDE OF MIAMI-DADE COUNTY.

Revised By F.K.	Date 3/28/03	Revised By B	NO CHANGE THIS SHEET	1070 TECHNOLOGY DRIVE NORWICH, FL 32275	Product P&T	Anchor ANCHORAGE DETAILS
Revised By F.K.	Date 7/10/03	Revised By C	NO CHANGE THIS SHEET	P.O. BOX 1526 NORWICH, FL 32274	Product ALUMINUM CASEMENT WINDOW, IMPACT	Product CA-74P
Revised By F.K.	Date 6/23/08	Revised By D	REVISE NOTES AND REMOVE 3/16" TAPCONS & #12 SCREWS		Product NTS	Product 13 x 13
Revised By F.K.	Date 12/17/02	Revised By			Product 7045-B	Product D

PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 05-1129.11
Expiration Date 05/22/08
By *M. H. H.*
Miami Dade Product Control
Division

PRODUCT RENEWED
to comply with the Florida
Building Code
Acceptance No. 08-0117.11
Expiration Date 08/22/2013
By *M. H. H.*
Miami Dade Product Control
Division

L. A. Z.
11/21/05

Lucas A. Turner, P.E.
PE #58201
Mechanical



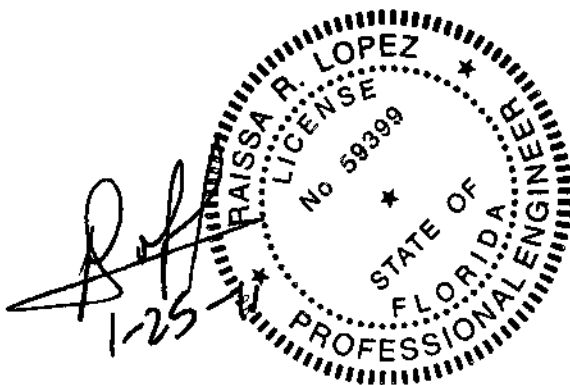
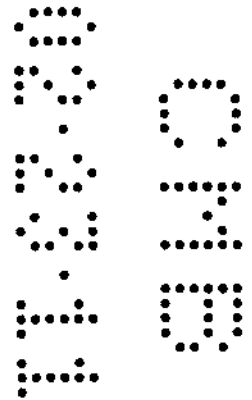
Eastern Engineering Group

3401 NW 82nd Avenue Suite 370, Miami, FL 33122
T. 305.599.8133 • F. 305.599.8076 • www.easterneg.com

8 Farrey Lane

8 Farrey Lane Miami Beach, FL 33139

WIND LOAD CALCULATIONS



Prepared By:

☐ Raissa Lopez, PE
Lic. No. 59399

Prepared By:

☐ Gonzalo Paz, PE
Lic. No. 60734

WIND-05

Detailed Wind Load Design (Method 2) per ASCE 7-05

Description: 11 023 DG WL1 8 Farrey Lane Wind Calc**Analysis by:** Mario Morales

User Input Data		
Structure Type	Building	
Basic Wind Speed (V)	146	mph
Struc Category (I, II, III, or IV)	II	
Exposure (B, C, or D)	C	
Struc Nat Frequency (n1)	1	Hz
Slope of Roof	5.0	:12
Slope of Roof (Theta)	22.6	Deg
Type of Roof	Gabled	
Kd (Directionality Factor)	1	
Eave Height (Eht)	9.58	ft
Ridge Height (Rht)	15.17	ft
Mean Roof Height (Ht)	12.50	ft
Width Perp. To Wind Dir (B)	49.58	ft
Width Paral. To Wind Dir (L)	44.75	ft

Calculated Parameters	
Type of Structure	
Height/Least Horizontal Dim	0.28
Flexible Structure	No

Calculated Parameters	
Importance Factor	1
Hurricane Prone Region (V>100 mph)	
Table 6-2 Values	
Alpha =	9.500
zg =	900.000
At =	0.105
Bt =	1.000
Bm =	0.650
Cc =	0.200
I =	500.00 ft
Epsilon =	0.200
Zmin =	15.00 ft

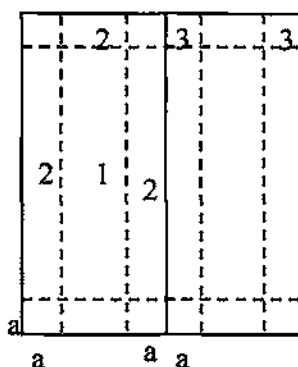
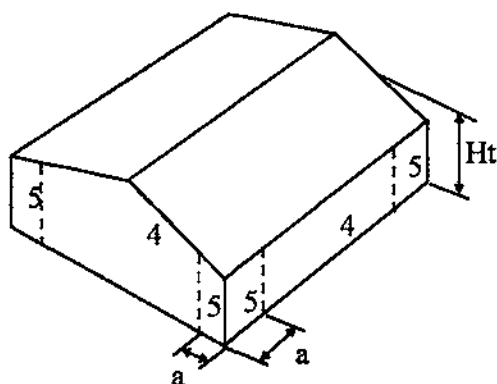
Gust Factor Category I: Rigid Structures - Simplified Method		
Gust1	For rigid structures (Nat Freq > 1 Hz) use 0.85	0.85
Gust Factor Category II: Rigid Structures - Complete Analysis		
Zm	Zmin	15.00 ft
lzm	$Cc * (33/z)^{0.167}$	0.2281
Lzm	$I * (zm/33)^{Epsilon}$	427.06 ft
Q	$(1/(1+0.63*((Min(B,L)+Ht)/Lzm)^{0.63}))^{0.5}$	0.9215
Gust2	$0.925 * ((1+1.7 * lzm * 3.4 * Q)/(1+1.7 * 3.4 * lzm))$	0.8837
Gust Factor Summary		
G	Since this is not a flexible structure the lessor of Gust1 or Gust2 are used	0.85

Fig 6-5 Internal Pressure Coefficients for Buildings, Gcpi

Condition	Gcpi	
	Max +	Max -
Open Buildings	0.00	0.00
Partially Enclosed Buildings	0.55	-0.55
Enclosed Buildings	0.18	-0.18
Enclosed Buildings	0.18	-0.18

WIND-05

Detailed Wind Load Design (Method 2) per ASCE 7-05

Figure 6-11 - External Pressure Coefficients, $G C_p$ Loads on Components and Cladding for Buildings w/ $H_t \leq 60$ ft

Gabled Roof
 $7 < \text{Theta} \leq 45$

$a = 4.475 \implies 4.48 \text{ ft}$

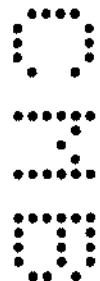
Double Click on any data entry line to receive a help Screen

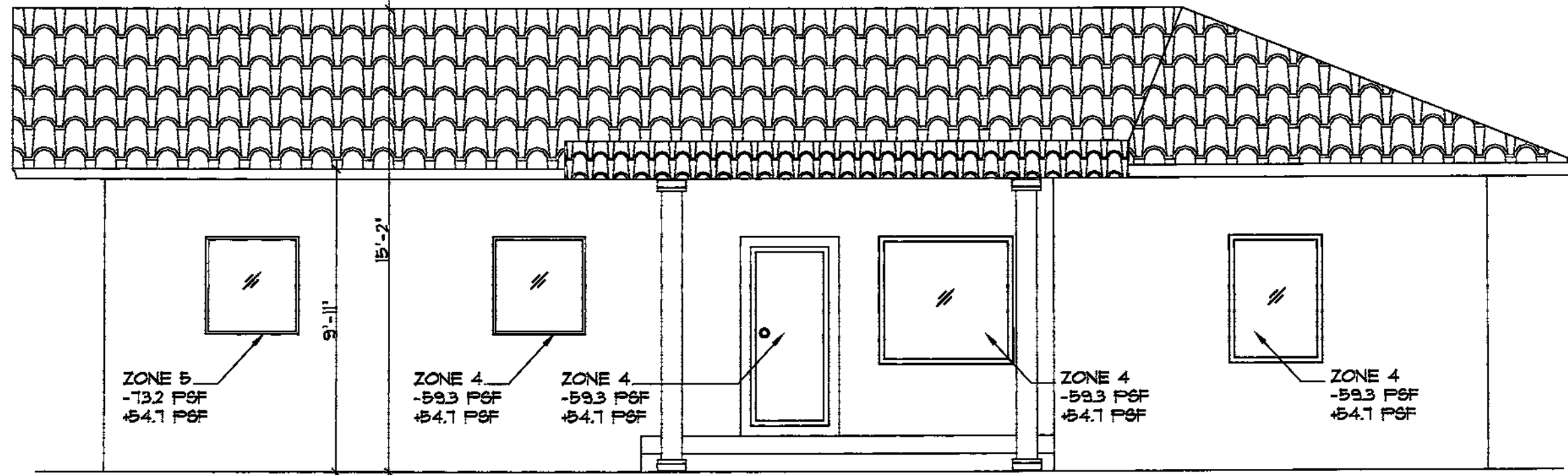
Component	Width (ft)	Span (ft)	Area (ft ²)	Zone	$G C_p$		Wind Press (lb/ft ²)	
					Max	Min	Max	Min
10 or less AREA			10.00	4	1.00	-1.10	54.66	-59.29
10 or less AREA			10.00	5	1.00	-1.40	54.66	-73.19
11 AREA			11.00	4	0.99	-1.09	54.32	-58.85
11 AREA			11.00	5	0.99	-1.39	54.32	-72.51
12 AREA			12.00	4	0.99	-1.09	54.01	-58.65
12 AREA			12.00	5	0.99	-1.37	54.01	-71.89
13 AREA			13.00	4	0.98	-1.08	53.73	-58.36
13 AREA			13.00	5	0.98	-1.36	53.73	-71.33
14 AREA			14.00	4	0.97	-1.07	53.47	-58.10
14 AREA			14.00	5	0.97	-1.35	53.47	-70.80
15 AREA			15.00	4	0.97	-1.07	53.22	-57.85
15 AREA			15.00	5	0.97	-1.34	53.22	-70.31
16 AREA			16.00	4	0.96	-1.06	52.99	-57.62
16 AREA			16.00	5	0.96	-1.33	52.99	-69.85
17 AREA			17.00	4	0.96	-1.06	52.78	-57.41
17 AREA			17.00	5	0.96	-1.32	52.78	-69.42
18 AREA			18.00	4	0.95	-1.05	52.57	-57.20
18 AREA			18.00	5	0.95	-1.31	52.57	-69.01
19 AREA			19.00	4	0.95	-1.05	52.38	-57.01
19 AREA			19.00	5	0.95	-1.30	52.38	-68.63
20 AREA			20.00	4	0.95	-1.05	52.20	-56.83
20 AREA			20.00	5	0.95	-1.29	52.20	-68.26
21 AREA			21.00	4	0.94	-1.04	52.02	-56.66
21 AREA			21.00	5	0.94	-1.29	52.02	-67.92
22 AREA			22.00	4	0.94	-1.04	51.86	-56.49
22 AREA			22.00	5	0.94	-1.28	51.86	-67.59
23 AREA			23.00	4	0.94	-1.04	51.70	-56.33

WIND-05**Detailed Wind Load Design (Method 2) per ASCE 7-05**

23 AREA			23.00	5	0.94	-1.27	51.70	-67.27
24 AREA			24.00	4	0.93	-1.03	51.55	-56.18
24 AREA			24.00	5	0.93	-1.27	51.55	-66.97
25 AREA			25.00	4	0.93	-1.03	51.41	-56.04
25 AREA			25.00	5	0.93	-1.26	51.41	-66.68
26 AREA			26.00	4	0.93	-1.03	51.27	-55.90
26 AREA			26.00	5	0.93	-1.25	51.27	-66.40
27 AREA			27.00	4	0.92	-1.02	51.13	-55.76
27 AREA			27.00	5	0.92	-1.25	51.13	-66.13
28 AREA			28.00	4	0.92	-1.02	51.00	-55.64
28 AREA			28.00	5	0.92	-1.24	51.00	-65.87
29 AREA			29.00	4	0.92	-1.02	50.88	-55.51
29 AREA			29.00	5	0.92	-1.24	50.88	-65.62
30 AREA			30.00	4	0.92	-1.02	50.76	-55.39
30 AREA			30.00	5	0.92	-1.23	50.76	-65.38
31 AREA			31.00	4	0.91	-1.01	50.64	-55.27
31 AREA			31.00	5	0.91	-1.23	50.64	-65.46
32 AREA			32.00	4	0.91	-1.01	50.53	-55.16
32 AREA			32.00	5	0.91	-1.22	50.53	-64.93
33 AREA			33.00	4	0.91	-1.01	50.42	-55.05
33 AREA			33.00	5	0.91	-1.22	50.42	-64.74
34 AREA			34.00	4	0.91	-1.01	50.31	-54.95
34 AREA			34.00	5	0.91	-1.21	50.31	-64.49
35 AREA			35.00	4	0.90	-1.00	50.21	-54.84
35 AREA			35.00	5	0.90	-1.21	50.21	-64.29
40 AREA			40.00	4	0.89	-0.99	49.74	-54.37
40 AREA			40.00	5	0.89	-1.19	49.74	-63.34
45 AREA			45.00	4	0.88	-0.98	49.32	-53.95
45 AREA			45.00	5	0.88	-1.17	49.32	-62.50
50 AREA			50.00	4	0.88	-0.98	48.94	-53.58
50 AREA			50.00	5	0.88	-1.15	48.94	-61.75
100 AREA			100.00	4	0.82	-0.92	46.48	-51.11
100 AREA			100.00	5	0.82	-1.05	46.48	-56.83

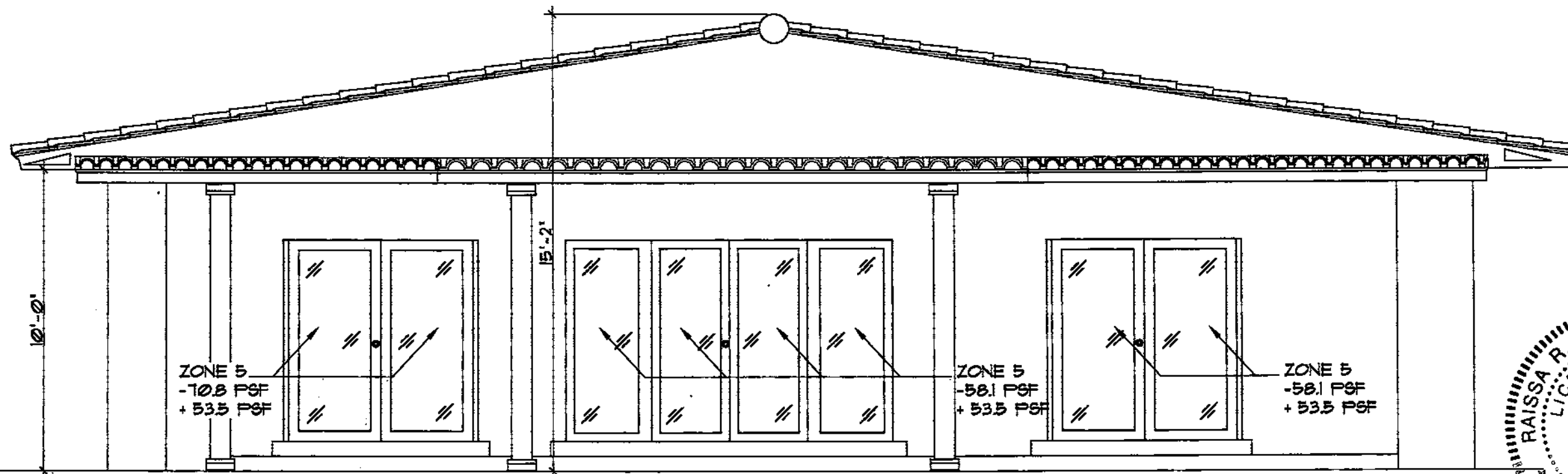
Note: * Enter Zone 1 through 5, or 1H through 3H for overhangs.





NORTH ELEVATION PLAN

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



SOUTH ELEVATION PLAN

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



EASTERN ENGINEERING GROUP
3401 NW 82 AVE SUITE 370
Miami, Florida 33122
Tel: (305) 899-8133 Fax: (305) 899-8078
www.easterneng.com

REVISION	DATE

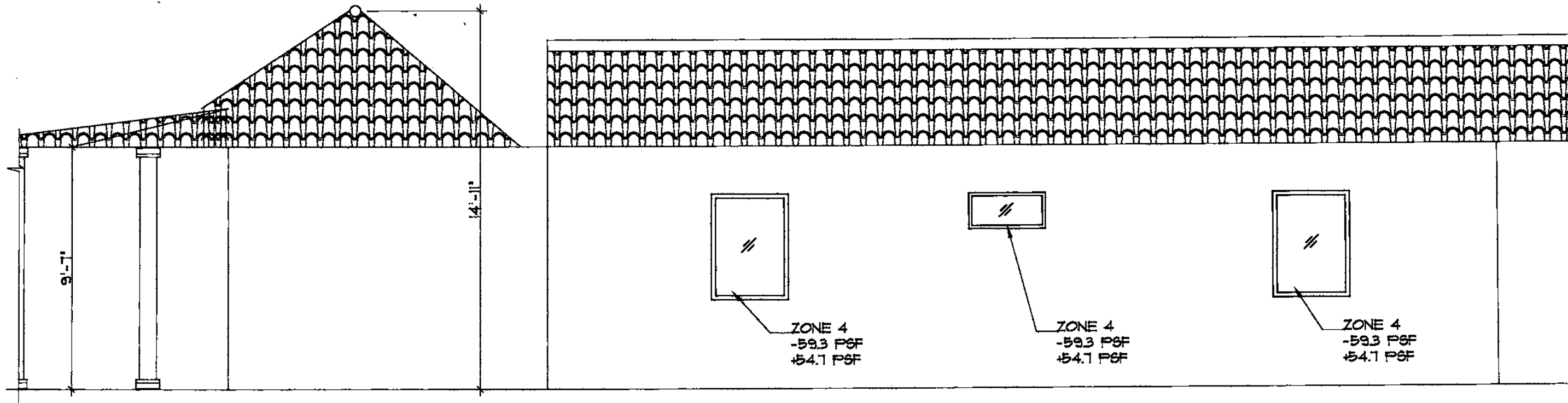
JOB NO. & NAME:	11 023 DG W/L 1 8 Farrey Lane Wind Calc
DESIGNED & DRAWN:	MM
SCALE:	AS SHOWN

PROJECT NAME:	8 Farrey Lane Wind Calc.
TYPE (REALTY):	Wind Load Calculations
DATE:	NORTH & SOUTH ELEVATIONS
PROJECT LOCATION:	8 Farrey Ln Miami Beach, FL 33139
CLIENT NAME:	THE PERMIT DOCTOR

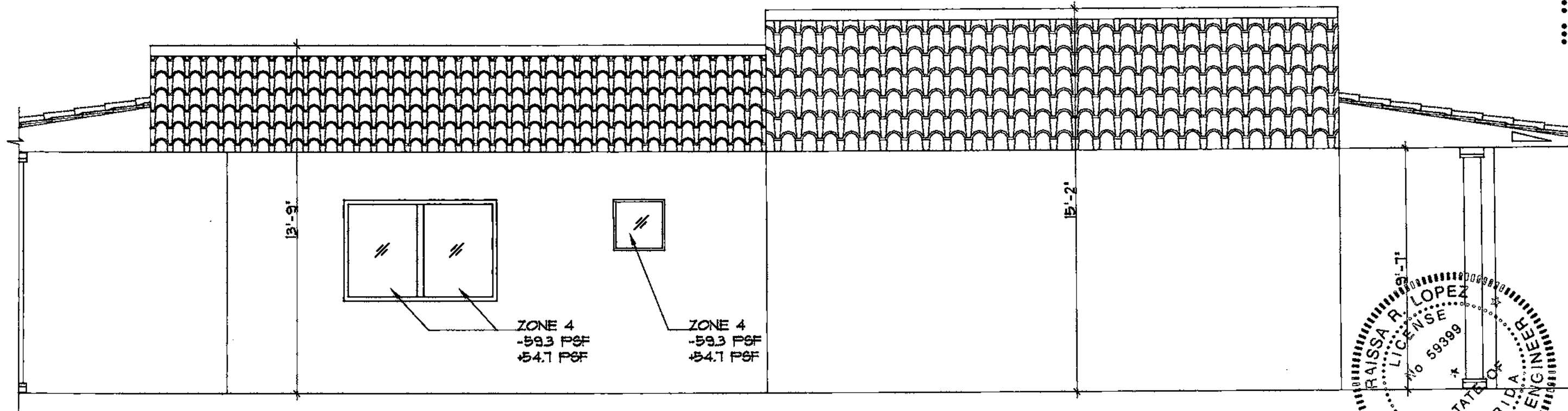
RAISSA R. LOPEZ, P.E. (IN 10-3889)
CENT. OF AUTHORIZATION No. 20005
NOT VALID FOR SALE OF CONTRACTS OR FOR ANY OTHER PURPOSES
THIS SEAL IS THE PROPERTY OF THE ENGINEER AND SHALL BE RETURNED TO THE ENGINEER UPON COMPLETION OF THE PROJECT OR UPON REQUEST OF THE ENGINEER. IT IS THE RESPONSIBILITY OF THE ENGINEER TO MAINTAIN THE SEAL IN GOOD CONDITION AND TO REPAIR OR REPLACE IT AS NECESSARY.

[Signature]
1-25-11

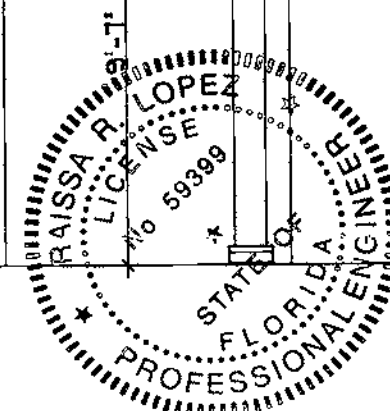
S-1



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



EAST ELEVATION PLAN
SCALE: 1/4" = 1'-0"



EASTERN ENGINEERING GROUP

3401 NW 82 AVE SUITE 370
Miami, Florida 33122
Tel: (305) 599-8133 Fax: (305) 599-8076
www.eastengr.com

NO.	DESCRIPTION	DATE

DESIGNED BY: 11 023 DG WL1	SCALE: AS SHOWN
CHECKED BY: 8 Farrey Loma	
DRAWN BY: Wind Calc	
DESIGNED & DRAWN: 8 Farrey Loma	
DATE: 11/11/11	

PROJECT NAME: 8 Farrey Loma Wind Calc.	THE PERMIT DESIGNER
TYPE: Wind Load Calculations	
SHEET NAME: WEST & EAST ELEVATIONS	
PROJECT LOCATION: 8 Farrey Loma Beach Rd 43130	
DATE: 11/11/11	

RAISSA R. LOPEZ, P.E. (Lic No. 59399)
CENT. OF AUTHORIZATION No. 24885
I, RAISSA R. LOPEZ, P.E., do hereby certify that the above information is true and correct to the best of my knowledge and belief, and that I am a duly licensed Professional Engineer in the State of Florida.
My Commission Expires 11/11/16
My License No. 59399
My Seal No. 59399

[Signature]
11-25-11

S-2



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

PGT Industries
1070 Technology Drive
Nokomis, FL 34275

SCOPE:

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

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

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

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

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

MISSILE IMPACT RATING: Large and Small Missile Impact

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

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

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

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

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews NOA # 04-0528.06 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Jaime D. Gascon, P.E.



J. Gascon
5/16/06

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

SCANNED

PGT Industries

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

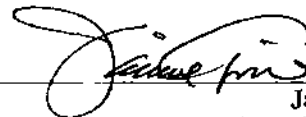
1. Manufacturer's die drawings and sections.
2. Drawing No 6223, titled 2" Heavy Wall, Elevations Aluminum Tube Clipped Mullion, Sheets 1 through 5 of 5, dated 04/28/00, with revision "C" on 05/03/06, prepared by PGT Industries, signed and sealed by Robert L. Clark, P.E.

B. TESTS

1. Test reports on 1) Uniform Load Static Air Pressure Test, per FBC, TAS 202-94
2) Large Missile Impact Test, FBC, TAS 201-94
3) Cyclic Loading Test, per FBC, TAS 203-94
along with installation diagram of a pair of fixed aluminum windows (OO configuration) 60" x 54" mullied together with a 1x 2 x std. wall mullion, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-2902, dated 01/05/01, signed and sealed by Antonio Acevedo, P.E.
"Submitted under NOA# 04-0528.06"
2. Test reports on 1) Uniform Load Static Air Pressure Test, per FBC, TAS 202-94
2) Large Missile Impact Test, FBC, TAS 201-94
3) Cyclic Loading Test, per FBC, TAS 203-94
along with installation diagram of a pair of fixed aluminum windows (OO configuration) 80" x 76" mullied together with a 1x 4 x std. wall mullion, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-2903, dated 01/05/01, signed and sealed by Antonio Acevedo, P.E.
"Submitted under NOA# 04-0528.06"
3. Test reports on 1) Uniform Load Static Air Pressure Test, per FBC, TAS 202-94
2) Large Missile Impact Test, FBC, TAS 201-94
3) Cyclic Loading Test, per FBC, TAS 203-94 discussed
along with installation diagram of a pair of fixed aluminum windows with a transom lite (O/OO configuration) mullied together with a 1x 2 x 3/4" wall vertical and a 2 x 6" x 1/4" wall horizontal mullion, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-2975, dated 01/23/01, signed and sealed by Antonio Acevedo, P.E.
"Submitted under NOA# 04-0528.06"

C. CALCULATIONS

1. Revised Anchor Calculations and structural analysis, complying with FBC-2004, prepared by PGT Industries, dated 01/23/06, signed and sealed by Robert L. Clark, P.E.



Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No 06-0125.08
Expiration Date: June 28, 2011
Approval Date: June 08, 2006

PGT Industries

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

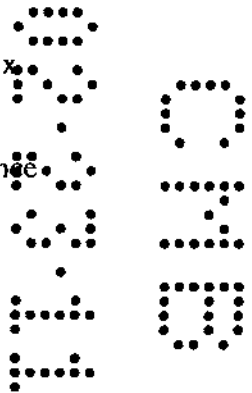
1. None.

F. STATEMENTS

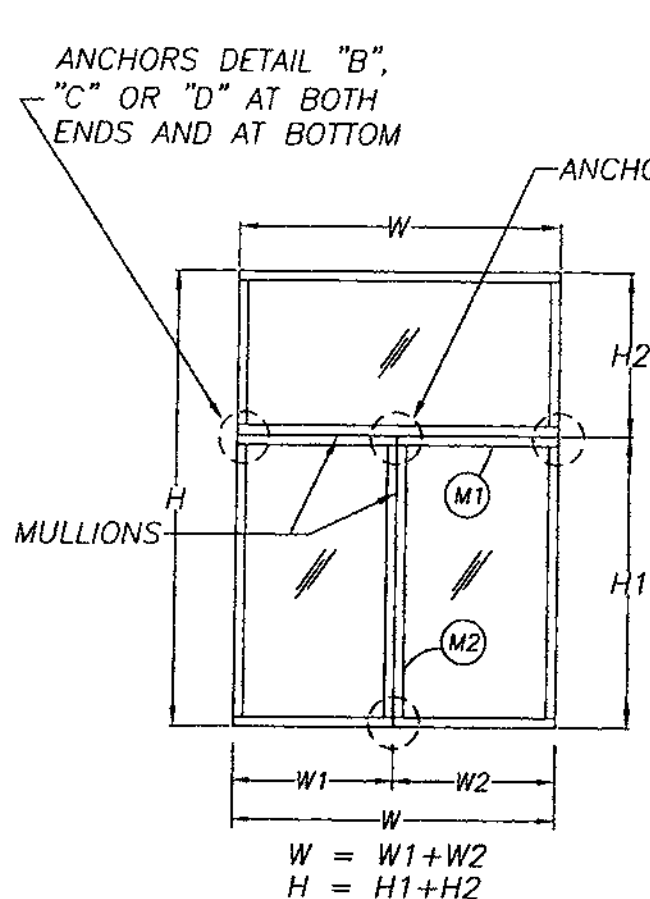
1. Statement letter of conformance, dated 01/23/06, signed and sealed by Robert L. Clark, P.E.
2. Statement letter of no financial interest, dated 01/23/06 and sealed by Robert L. Clark, P.E.

G. OTHER

1. Notice of Acceptance No. **04-0528.06**, issued to PGT Industries for their 2" x Heavy Wall-Aluminum Tube Clipped Mullion, approved on 07/15/04 and expiring on 06/28/06.
2. Letter from consultant dated 04/21/06, stating that the product is in compliance with the Florida Building Code (FBC).



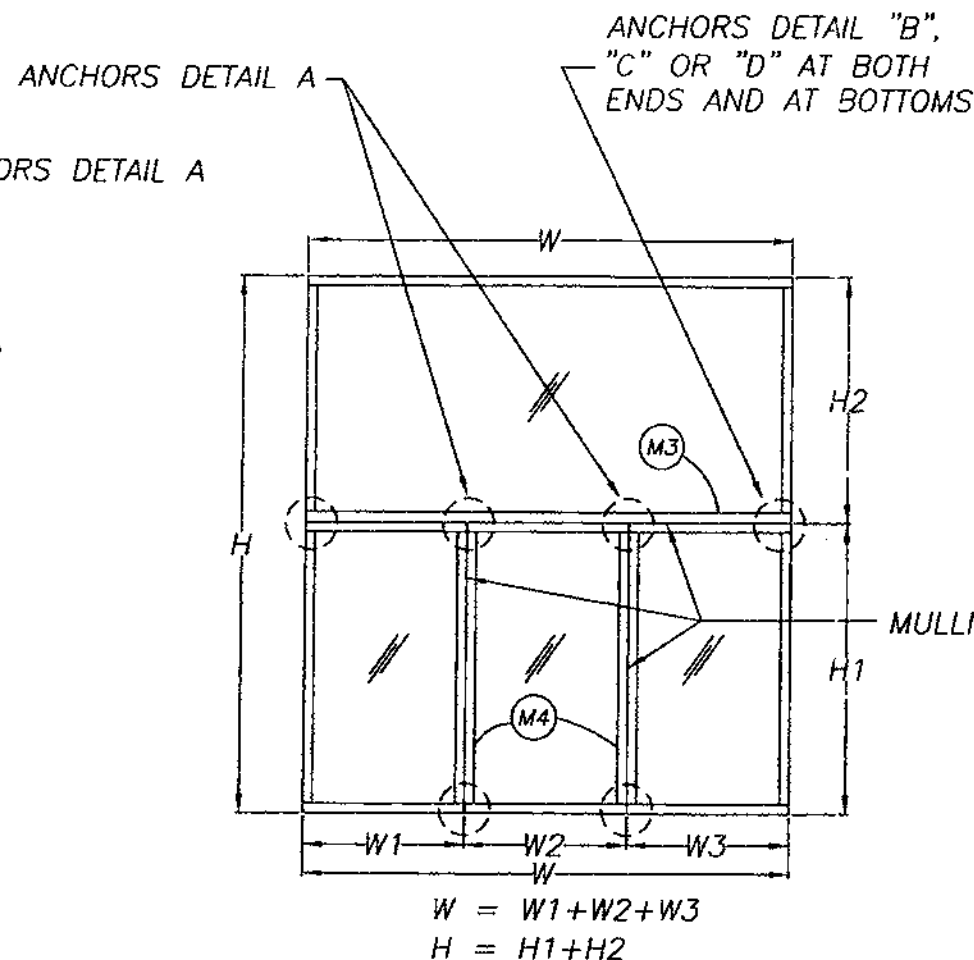

Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No 06-0125.08
Expiration Date: June 28, 2011
Approval Date: June 08, 2006



(2) WINDOWS MULLED
W/ONE ABOVE

FOR DETERMINING MAX ALLOWABLE
DESIGN PRESSURE SEE TABLES
ON PAGE 5

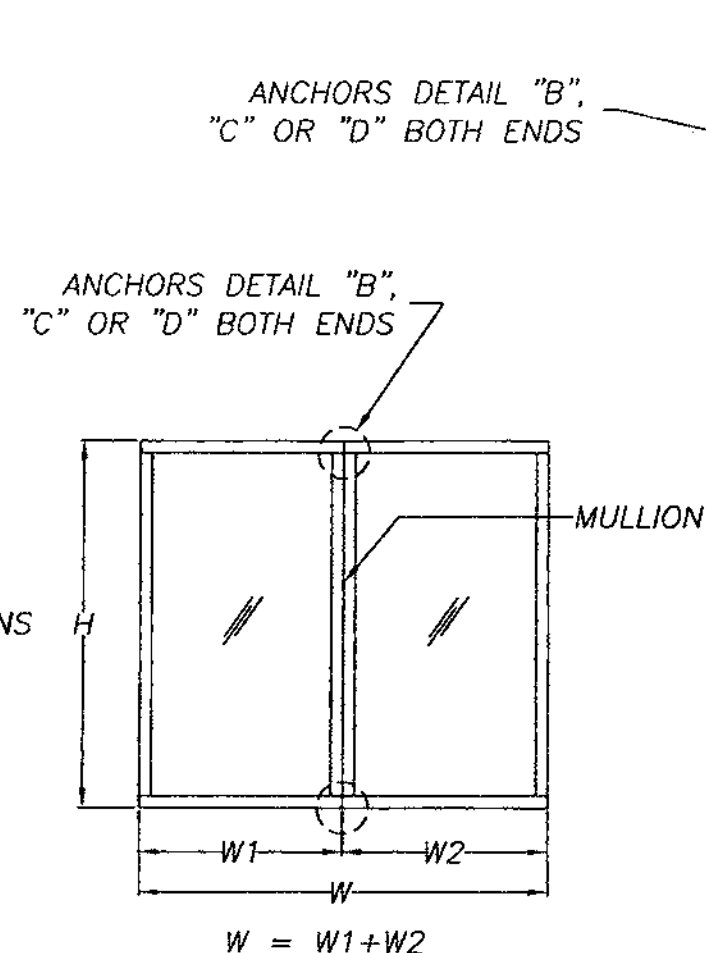
- M1) MAX OPENING = H OR H1+H2
MULL LENGTH = W OR W1+W2
M2) MAX OPENING = W OR W1+W2
MULL LENGTH = H1



MULTIPLE WINDOWS MULLED
W/ONE ABOVE

FOR DETERMINING MAX ALLOWABLE
DESIGN PRESSURE SEE TABLES
ON PAGE 5

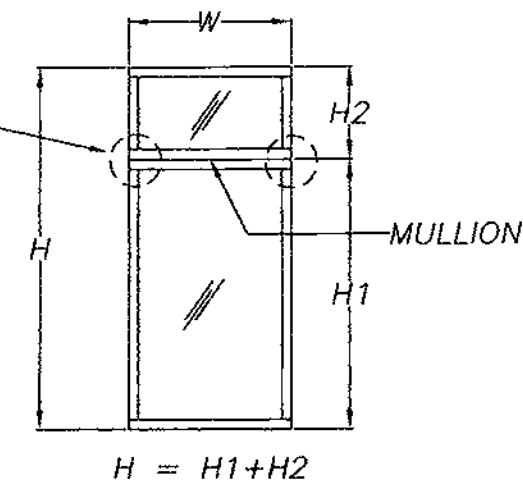
- M3) MAX OPENING = H OR H1+H2
MULL LENGTH = W OR W1+W2+W3
M4) MAX OPENING = W1+W2 OR W2+W3
MULL LENGTH = H1



(2) WINDOWS MULLED TOGETHER

FOR DETERMINING MAX ALLOWABLE
DESIGN PRESSURE SEE TABLES
ON PAGE 5

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



(1) WINDOW MULLED
W/ONE ABOVE

FOR DETERMINING MAX ALLOWABLE
DESIGN PRESSURE SEE TABLES
ON PAGE 5

- MAX OPENING = H OR H1+H2
MULL LENGTH = W

NOTES:

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

P.J.P.
5/5/06
Robert L. Clark, P.E.
PE #39712
Structural

TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS

PGT
INDUSTRIES

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

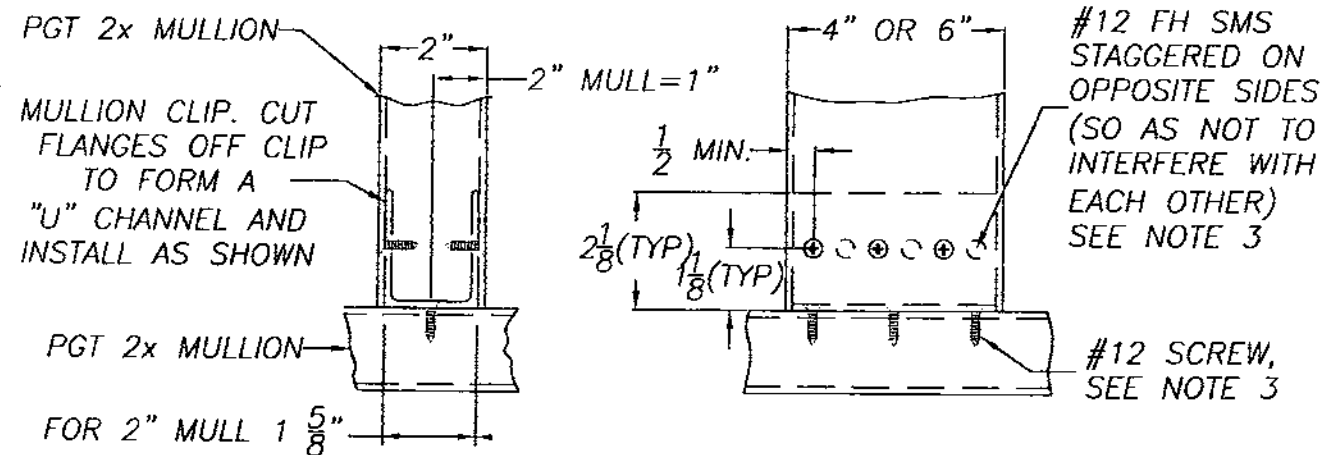
Revsd By: F.K.	Date: 1/9/06	Revisions: B-REVISE ANCHORAGE
Revsd By: F.K.	Date: 5/3/06	Revisions: C-NO CHG THIS SH
Drawn By: P.J.P.	Date: 4/28/00	

Description:
2" HEAVY WALL, ELEVATIONS

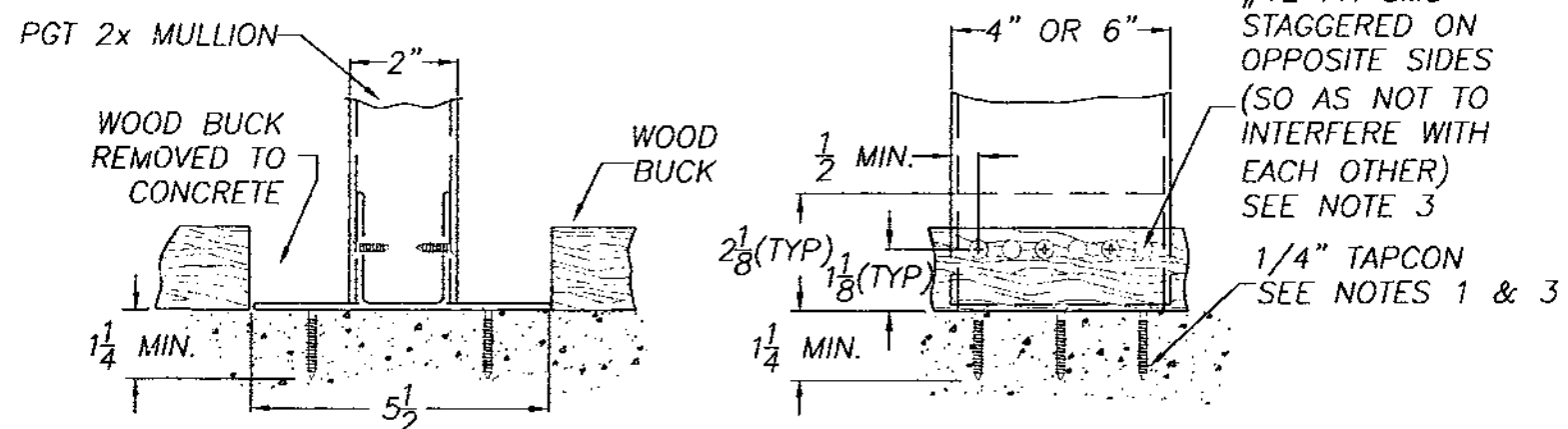
Title:
ALUMINUM TUBE CLIPPED MULLION

Series/Model: MULLS	Scale: NTS	Sheet: 1 of 5	Drawing No. 6223	Rev: C
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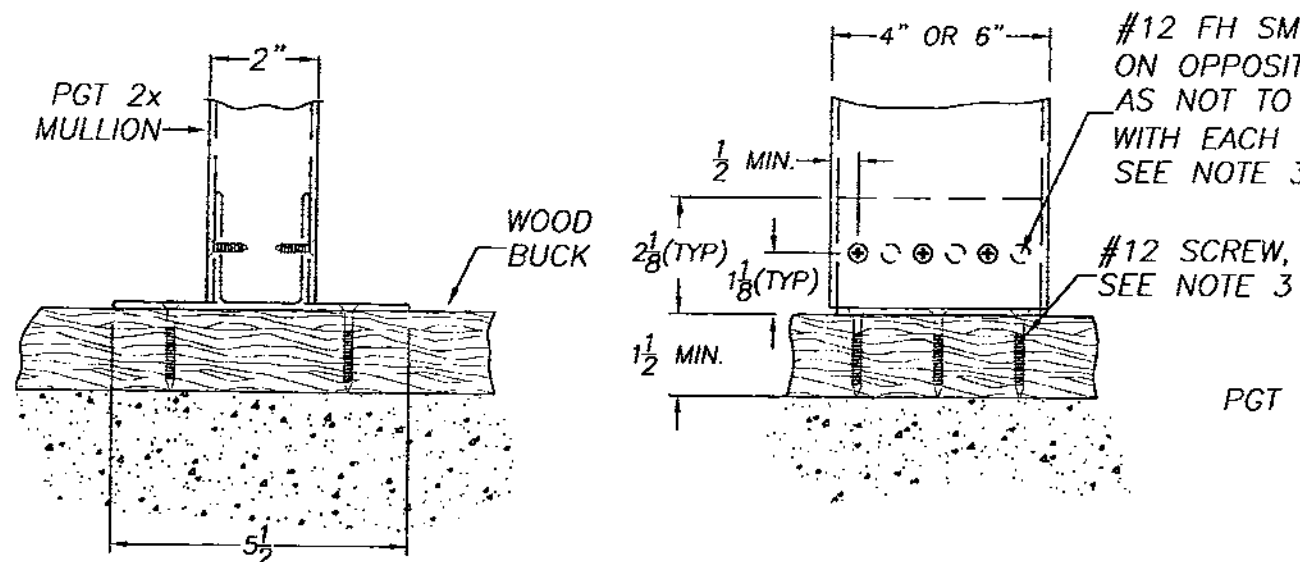
PRODUCT REVIEW
as complying with the Florida
Building Code
Acceptance No. 06-0125-08
Expiration Date 06/28/11
By *[Signature]*
Nokomis State Product Control
Division



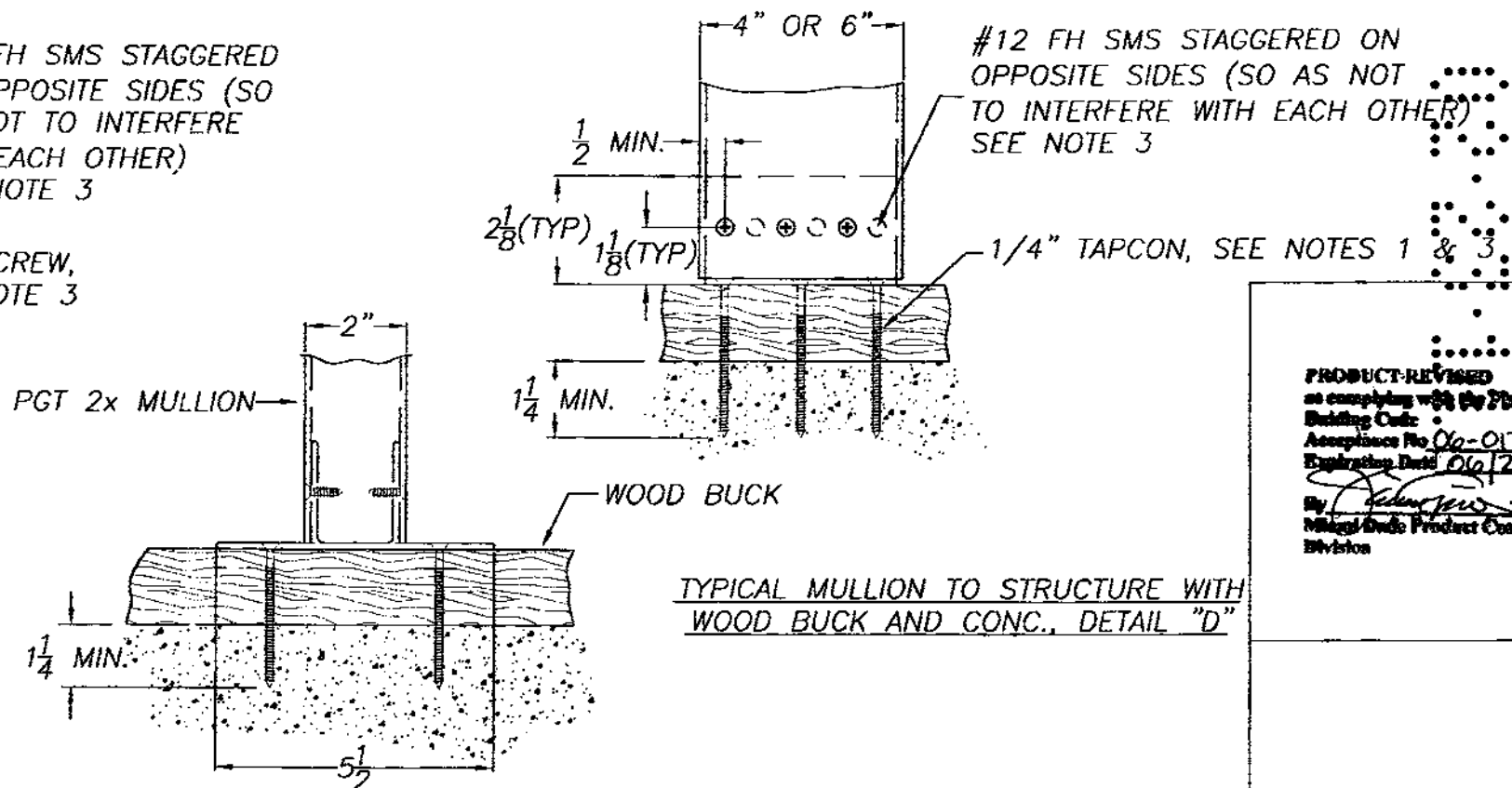
TYPICAL MULLION TO MULLION INSTALLATION, DETAIL "A"



TYPICAL MULLION TO STRUCTURE WITH WOOD BUCK REMOVED FROM CONC., DETAIL "C"



TYPICAL MULLION TO STRUCTURE WITH WOOD BUCK, DETAIL "B"



TYPICAL MULLION TO STRUCTURE WITH WOOD BUCK AND CONC., DETAIL "D"

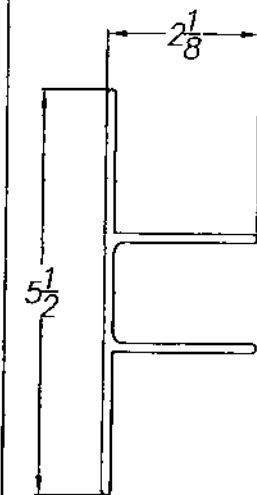
NOTES:

- FOR CONCRETE APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED MASONRY ANCHORS. MINIMUM DISTANCE FROM CENTER OF ANCHORS TO CONCRETE EDGE IS 2 1/2". ELCO 1/4" SS4 CRETE-FLEX ANCHORS MAY BE USED INSTEAD OF 1/4" TAPCONS PROVIDED EMBEDMENT IS INCREASED TO 1 3/4".
- 1/4" TAPCONS OR ELCO 1/4" SS4 CRETE-FLEX MASONRY ANCHORS MAY BE USED INSTEAD OF #12 SCREWS FOR WOOD APPLICATIONS.
- FOR MULL SIZE AND QUANTITY OF ANCHORS SEE SHEET 5. FOR ANCHOR LOCATIONS SEE SHEET 3. QUANTITY OF PINNING SCREWS FOR MULL-TO-CLIP TO BE HALF THE QUANTITY OF ANCHORS FROM CLIP-TO-OPENING. (MINIMUM OF 2 SCREWS PER CLIP)
- IMPORTANT: QUANTITY OF ANCHORS SHOWN ABOVE ARE FOR PICTORIAL REPRESENTATION ONLY. FOR CORRECT QUANTITY OF ANCHORS, REFER TO CHARTS 1 AND 2 ON SHEET 5. FIND THE APPLICABLE MULL SIZE AND PRESSURE REQUIRED FOR YOUR SPECIFIC APPLICATION.
- REFERENCE TEST REPORTS: FTL-2902, 2903 AND 2975.

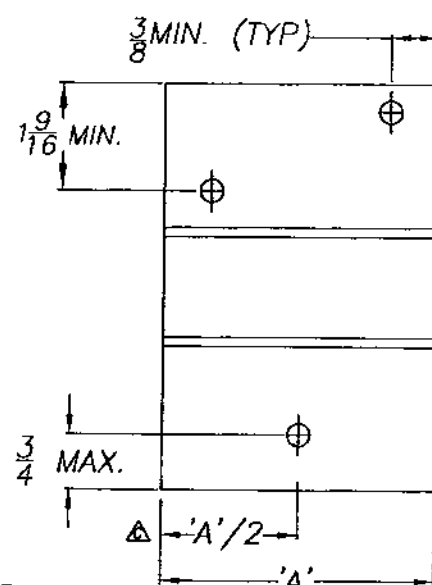
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 06-0125.08
Expiration Date 06/28/11
By [Signature]
Miami-Dade Product Control
Division

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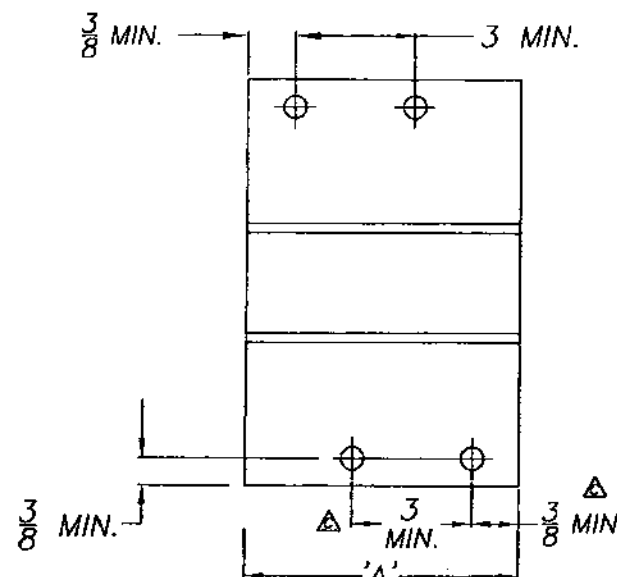
 5/5/06 Robert L. Clark, P.E. PE #39712 Structural		Revsd By: F.K.	Date: 1/9/06	Revisions: B-REVISE ANCHORAGE	
		Revsd By: F.K.	Date: 5/3/04	Revisions: C-NO CHG THIS SHT	
		Drawn By: P.J.P.	Date: 4/28/00		
	Description: 2" HEAVY WALL, CLIP INSTALLATION DETAIL				
	1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274		Title: ALUMINUM TUBE CLIPPED MULLION		
	Series/Model: MULLS		Scale: NTS	Sheet: 2 of 5	Drawing No. 6223



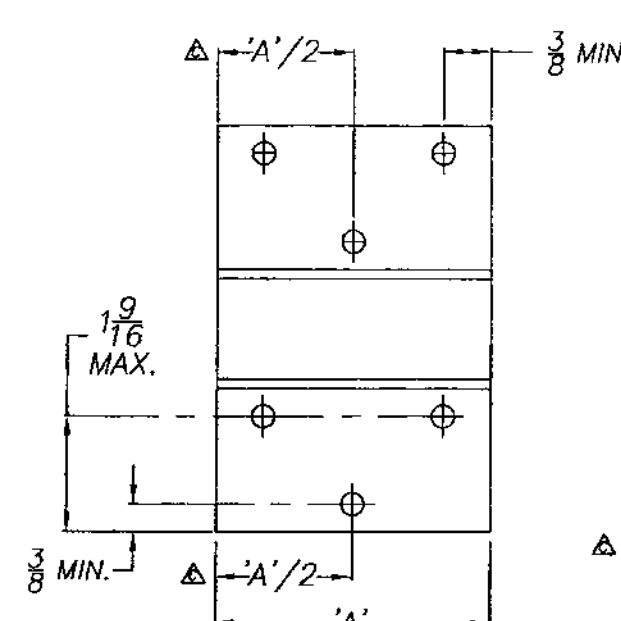
2" MULL CLIP
EXTRUSION DWG #513



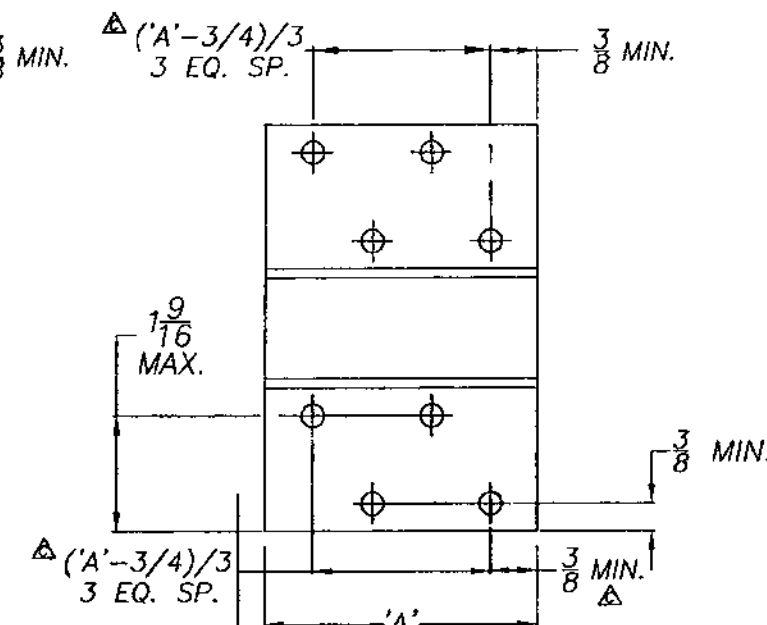
(3) ANCHOR LOCATIONS



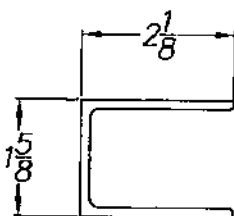
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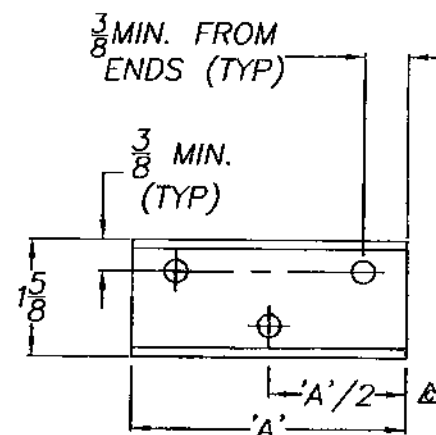
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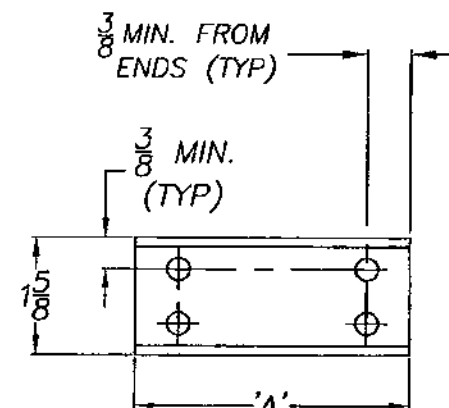
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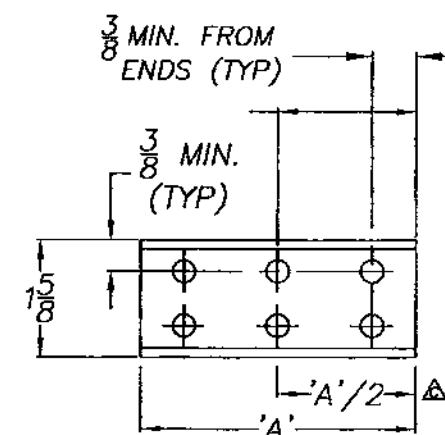
2" MULL CLIP
W/TABS REMOVED
EXTRUSION DWG #513



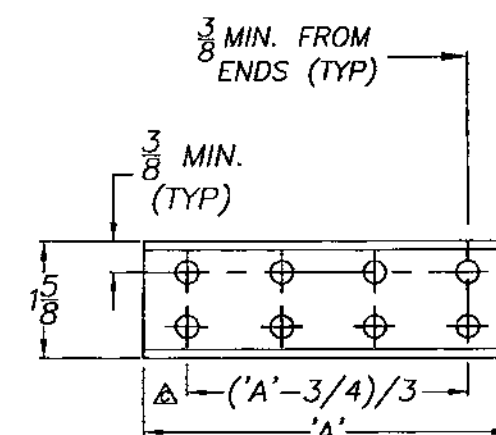
(3) ANCHOR LOCATIONS



(4) ANCHOR LOCATIONS



(6) ANCHOR LOCATIONS



(8) ANCHOR LOCATIONS

PRODUCT REVIEW
in compliance with the Florida
Building Code
Acceptance No. 06-0125.09
Expiration Date 06/28/11
By: [Signature]
Miami Made Product Control
Division

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

NOTES:

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

[Signature]
5/5/06
Robert L. Clark, P.E.
PE #38712
Structural

TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS

PGT
INDUSTRIES

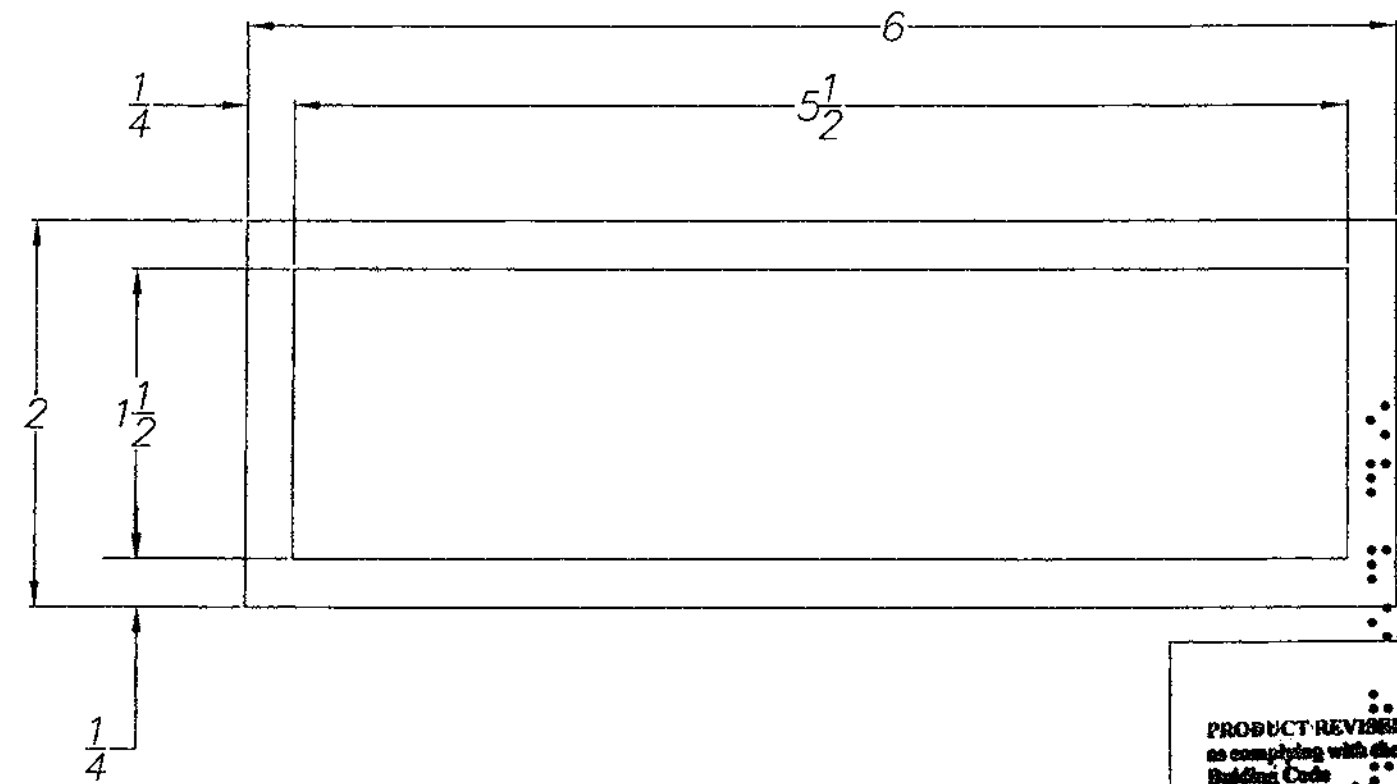
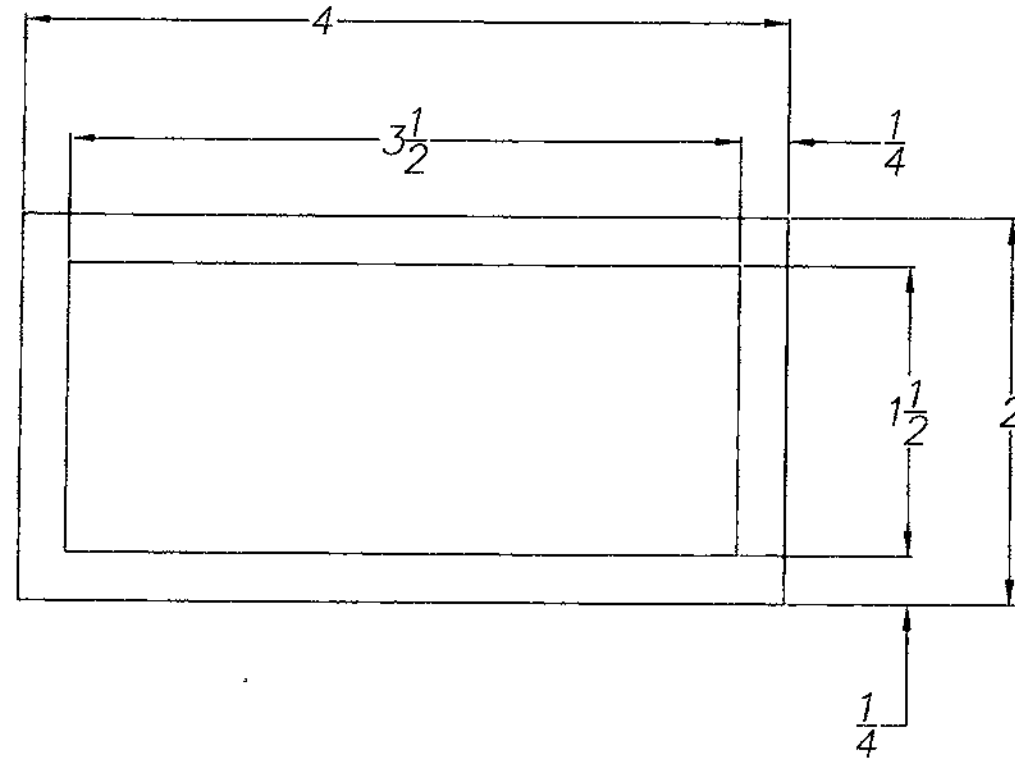
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

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

Description:
2" HEAVY WALL, ANCHOR LOCATIONS

Title:
ALUMINUM TUBE CLIPPED MULLION

Series/Model: MULLS	Scale: NTS	Sheet: 3 of 5	Drawing No. 6223	Rev: C
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2x HEAVY WALL MULLS

MAT'L: 6063-T6

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 06-0125-08
Expiration Date 06/28/11
By: [Signature]
Product Control
Division

NOTE:

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

[Signature]
5/5/06
Robert L. Clark, P.E.
PE #39712
Structural

TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS

PGT
INDUSTRIES

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

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

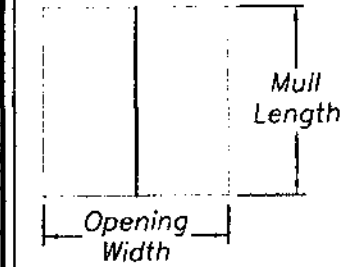
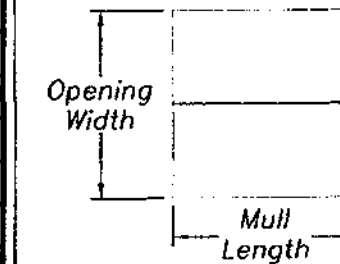
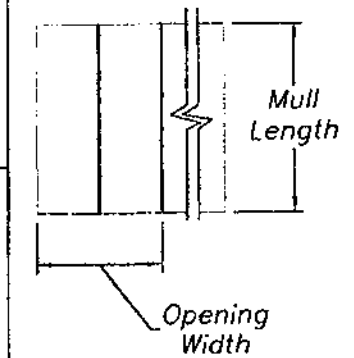
Description:
2" HEAVY WALL, MULLION PROFILES

Title:
ALUMINUM TUBE CLIPPED MULLION

Series/Model: MULLS	Scale: 1X	Sheet: 4 of 5	Drawing No. 6223	Rev: C
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CHART 2. - 2x6x.250

		OPENING WIDTH IN INCHES																				
		50		60		70		80		90		100		110		120		130		160		
ANCHOR TYPE & QTY.		(3) A (6) B	(4) A (8) B	(3) A (6) B	(4) A (8) B	(3) A (6) B	(4) A (8) B	(3) A (6) B	(4) A (8) B	(3) A (6) B	(4) A (8) B	(3) A (6) B	(4) A (8) B	(3) A (6) B	(4) A (8) B	(3) A (6) B	(4) A (8) B	(3) A (6) B	(4) A (8) B	(3) A (6) B	(4) A (8) B	
MULL LENGTH IN INCHES	42	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	
	48	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	
	50.625	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	
	54	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	
	60	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	
	63	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	
	66	170	170	170	170	170	170	170	170	170	170	170	168	170	162	170	159	170	158	170	158	170
	72	170	170	170	170	170	170	165	170	154	170	146	170	140	170	136	170	134	170	133	170	
	76	170	170	170	170	168	170	154	170	143	170	135	170	129	170	125	166	122	162	119	159	
	78	170	170	170	170	162	170	148	170	138	170	130	170	124	165	119	159	116	155	113	151	
	84	170	170	166	170	148	170	134	170	124	166	117	155	111	148	106	142	103	137	98	130	
	90	170	170	153	170	136	170	123	164	113	151	106	141	100	133	96	127	92	123	86	116	
96	165	170	142	170	125	167	113	151	104	139	97	129	91	123	87	115	83	109	77	98		
108	144	170	123	163	109	141	98	125	89	112	83	102	78	95	73	88	70	83	63	73		
111	140	170	119	154	105	133	94	118	86	106	80	97	75	89	71	83	67	78	61	68		
144	105	108	89	90	78	78	69	69	61	61	56	56	51	51	47	47	44	44	37	37		

Vertical Mull

Horizontal Mull

Multiple Mull Units

CHART 1. - 2x4x.250

		OPENING WIDTH IN INCHES									
		50	60	70	80	90	100	110	120	130	160
ANCHOR TYPE & QTY.		(3) A (6) B	(3) A (6) B	(3) A (6) B	(3) A (6) B	(3) A (6) B	(3) A (6) B	(3) A (6) B	(3) A (6) B	(3) A (6) B	(3) A (6) B
MULL LENGTH IN INCHES	42	170	170	170	170	170	170	170	170	170	170
	48	170	170	170	170	170	170	170	170	170	170
	50.625	170	170	170	170	170	170	170	170	170	170
	54	170	170	170	170	170	170	170	170	170	170
	60	170	170	170	170	170	170	170	170	170	170
	63	170	170	170	170	170	166	162	160	159	159
	66	170	170	170	170	170	154	149	146	145	145
	72	170	170	166	152	142	135	129	125	123	122
	76	170	170	154	141	131	124	119	115	112	109
	78	170	167	149	136	127	119	114	110	107	104
	84	177	153	136	124	114	107	102	98	94	90
	90	163	141	125	113	104	97	92	88	85	79
	96	151	129	112	100	91	83	78	73	69	63
	108	107	90	78	69	62	57	53	49	47	41
	111	98	83	72	63	57	52	48	45	43	37
	144	45	37	32	28	26	23	21	20	18	16

NOTES:

1. MAXIMUM ALLOWABLE PRESSURE IN PSF.
2. DESIGN IS BASED ON OPENING WIDTH. FOR MULTIPLE UNITS, CONSIDER ONLY TWO ADJACENT UNITS AT A TIME. SEE SHEET 1.
3. REFERENCE TEST REPORT FTL-2902, 2903 AND 2975
4. ANCHOR TYPES: A. 1/4" TAPCON
B. #12 SCREW

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 06-0125-08
Expiration Date 06/28/11
By: [Signature]
National Building Product Council
Division

TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS



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

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

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

810
11:55:50

06810119

RHODES RESIDENCE



PROJECT LOCATION

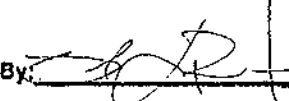
SCOPE OF WORK
ALTERATION LEVEL II
1. REPLACE WINDOWS & EXTERIOR DOORS AS PER PLAN.
NOTE: NO MECHANICAL, ELECTRICAL OR PLUMBING WORK TO BE PERFORMED WITHIN THIS PERMIT.
APPLICABLE CODES & REGULATIONS. JURISDICTION: MIAMI BEACH, FL. 1. 2007 FLORIDA BUILDING CODE (FBC). 2. 2007 FLORIDA STATE ACCESSIBILITY CODE.

PUBLIC WORKS
PLAN REVIEW NOTICE
Phone 305-373-7000 Fax 305-373-7000

THIS PLAN REVIEW CONSTITUTES APPROVAL FOR OBTAINING BUILDING PERMITS ONLY.

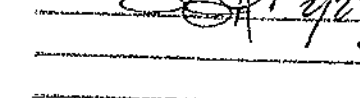
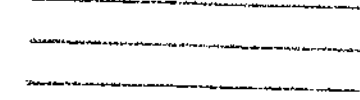
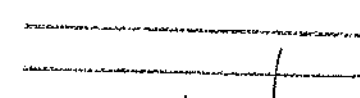
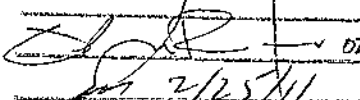
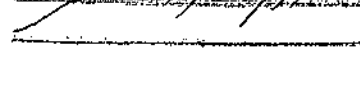
All construction and/or use of equipment in the right-of-way and/or easements, requires a separate Public Works Department permit prior to start of construction.

Permit Requirements: Proof of existing sidewalk/curb area conditions (pictures) and/or posting of sidewalk/roadway boxes (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: 02-24-11

B1101840

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

BUILDING: 
ZONING: 
DRB/HPB: 
CONCURRENCY: 
PLUMBING: 
ELECTRICAL: 
MECHANICAL: 
FIRE PROTECTION: 
PUBLIC WORKS: 
SPECIAL:
ELEVATOR:

PROJECT: Rhodes Residence
8 Farrey Lane
MIAMI BEACH, FL. 33139

DRAWN BY:
C. PERERA

REVISIONS:

SCALE: 1"=3/8"

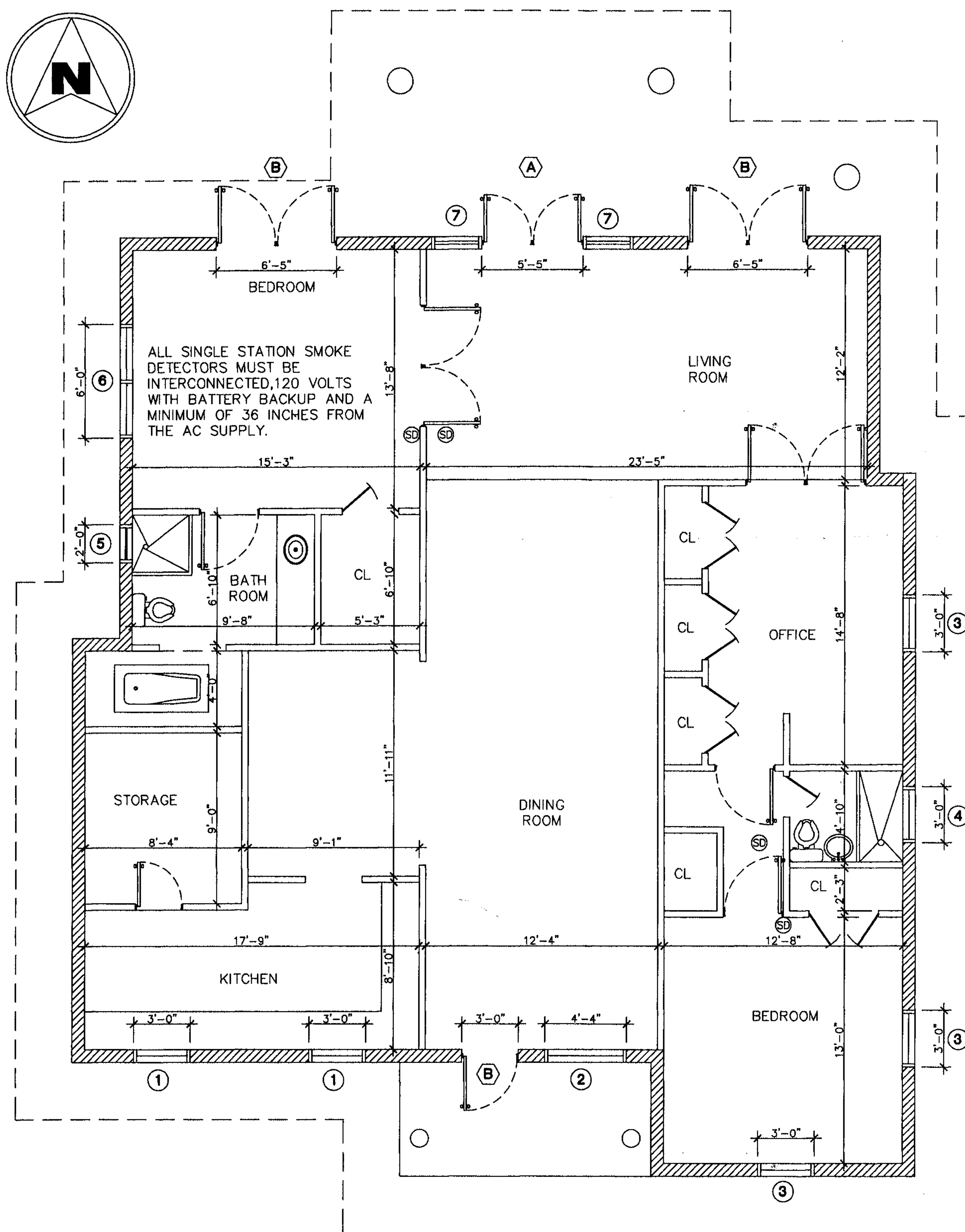
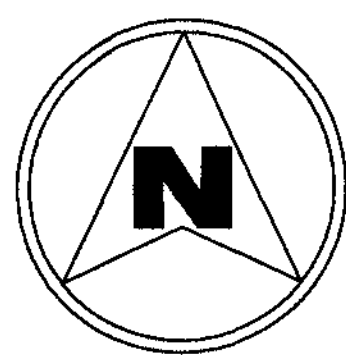
DATE: 01/5/2011

CONTAINS:

COVER SHEET

PAGE: #

A-0



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

LEGEND:

- EXIST. NON RATED PARTITION WALL
- EXIST. 1 HR. RATED PARTITION WALL
- EXIST. SMOKE DETECTOR

FLOOR WINDOW SCHEDULE

WINDOW NUMBER	SIZE	SPECIFICATION
1 (2)	36" x 38"	EXISTING
2 (1)	52" x 50"	EXISTING
3 (3)	36" x 50"	EXISTING
4 (1)	36" x 17"	EXISTING
5 (1)	24" x 24"	EXISTING
6 (1)	72" x 48"	EXISTING
7 (2)	34" x 80"	EXISTING

DOOR SCHEDULE

DOOR NUMBER	SIZE	SPECIFICATION
A (2)	80" X 31"	EXISTING
B (5)	80" X 36"	EXISTING

Rhodes Residence
8 Farrey Lane
MIAMI BEACH, FL. 33139

PROJECT:

DRAWN BY:
C. PEREIRA

REVISIONS:

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

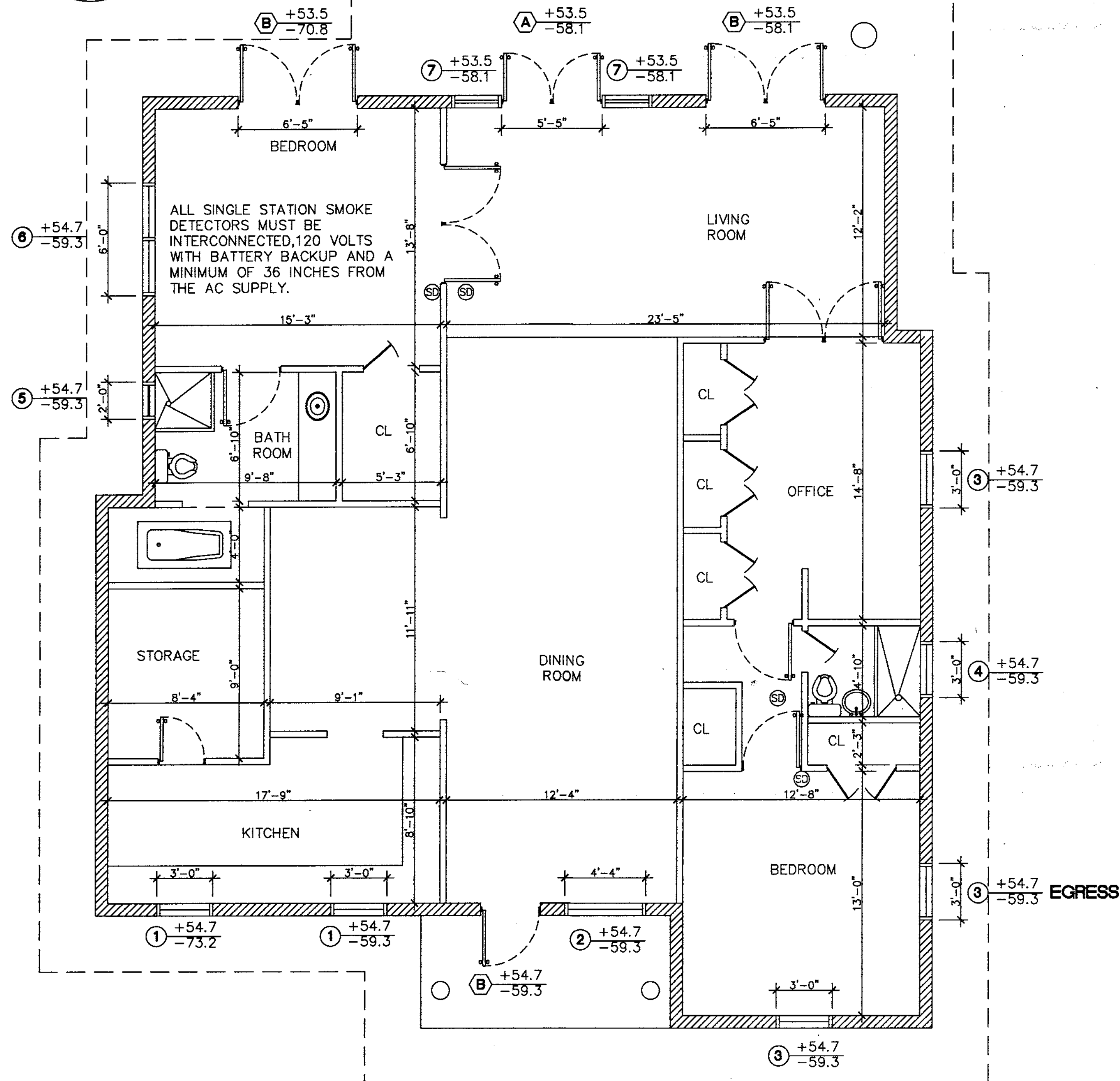
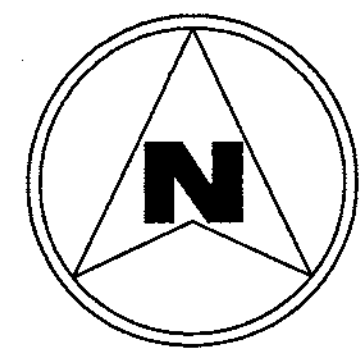
DATE: 01/5/2011

CONTAINS:

EXISTING
WINDOWS/DOORS
PLAN

PAGE: #

A-1



LEGEND:

- EXIST. NON RATED PARTITION WALL
- EXIST. 1 HR. RATED PARTITION WALL

FLOOR WINDOW SCHEDULE		
WINDOW NUMBER	SIZE	SPECIFICATION
① (2)	36" x 38"	NEW (NDA No 08-0117.11)
② (1)	52" x 50"	NEW (NDA No 08-0117.11)
③ (3)	36" x 50"	NEW (NDA No 08-0117.11)
④ (1)	36" x 17"	NEW (NDA No 08-0117.11)
⑤ (1)	24" x 24"	NEW (NDA No 08-0117.11)
⑥ (1)	72" x 48"	NEW (NDA No 08-0117.11)
⑦ (2)	34" x 80"	NEW (NDA No 07-0629.10)

DOOR SCHEDULE		
DOOR NUMBER	SIZE	SPECIFICATION
A (2)	80" X 31"	NEW (NDA No 07-0629.10)
B (5)	80" X 36"	NEW (NDA No 07-0629.10)

Rhodes Residence
8 Farrey Lane
MIAMI BEACH, FL. 33139

PROJECT:

DRAWN BY:
C. PEREIRA

REVISIONS:

SCALE: 1/32"

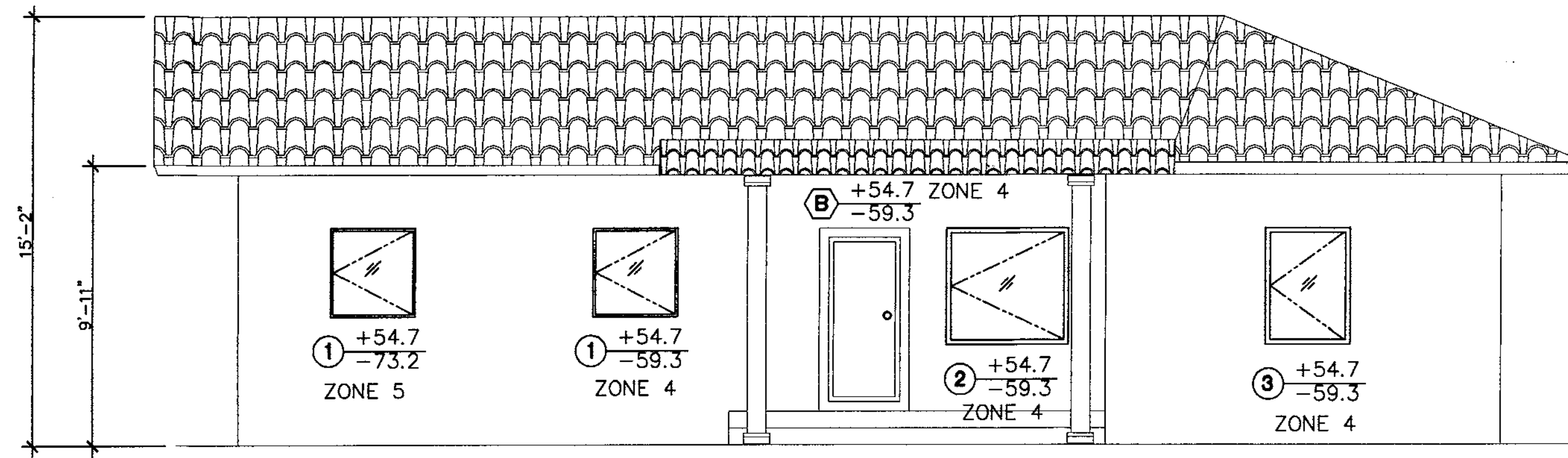
DATE: 01/5/2011

CONTAINS:

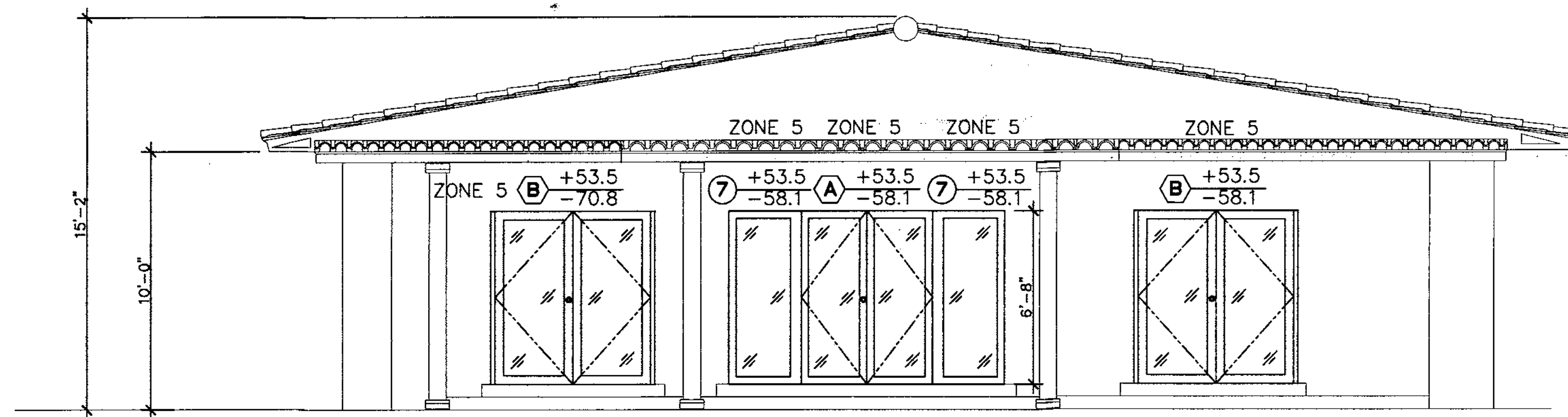
PROPOSED
WINDOWS/DOORS
PLAN

PAGE: #

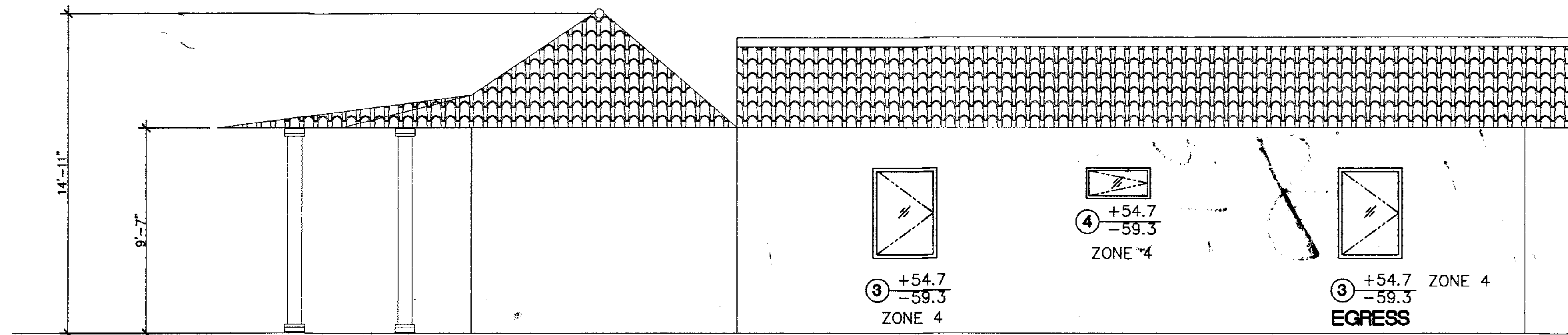
A-2



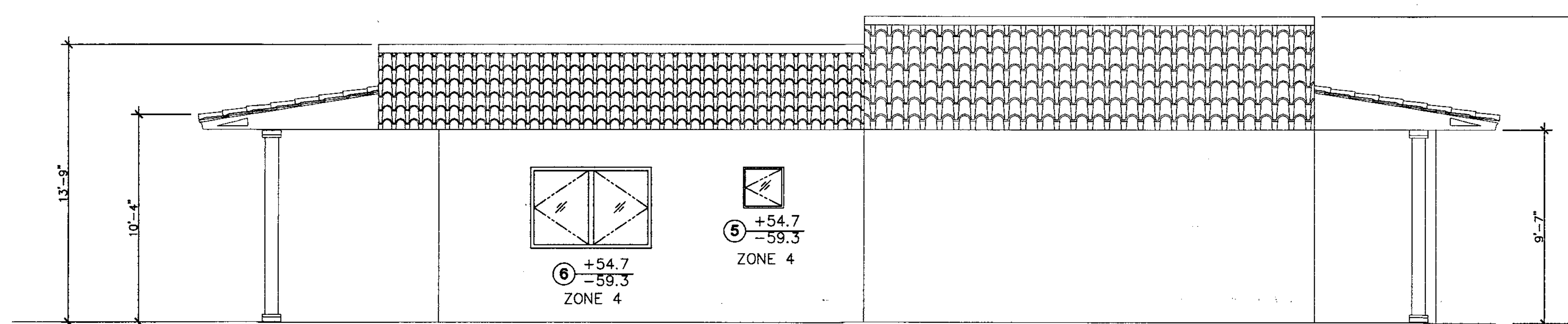
NORTH ELEVATION PLAN
SCALE: 1/4"=1'-0"



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



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



EAST ELEVATION PLAN
SCALE: 1/4"=1'-0"

Rhodes Residence
8 Farrey Lane
MIAMI BEACH, FL. 33139

PROJECT:

DRAWN BY
C. PEREIRA

REVISIONS:

SCALE: 1/4"=1'

DATE: 01/5/2011

CONTAINS:

PROPOSED
WINDOWS/DOORS
ELEVATIONS

PAGE: #

A-3

B1101870

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: _____

[Handwritten signatures and dates are present on the right side of the form, including "2/25/11" and "2/25/11".]

NEXT

Professional Microfilm Services, Inc.
Miami, Florida

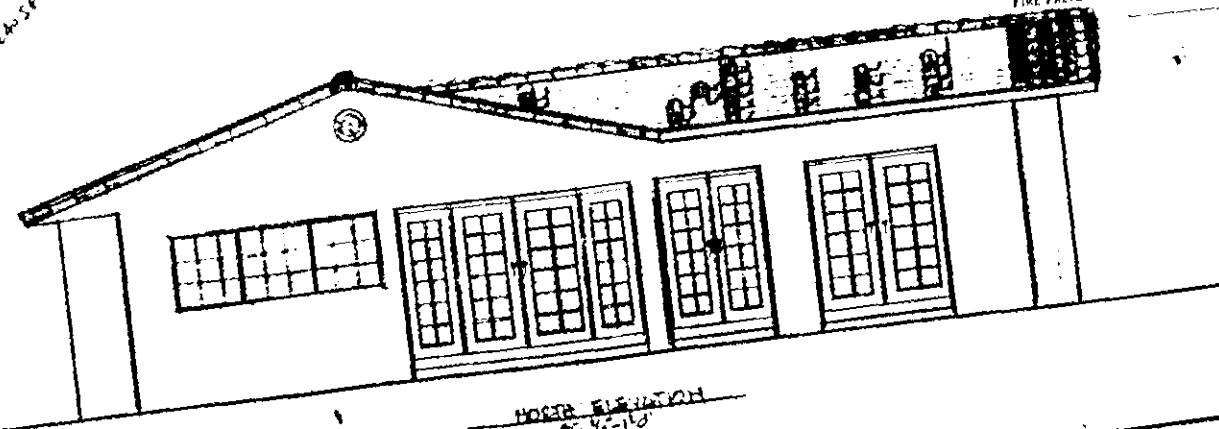
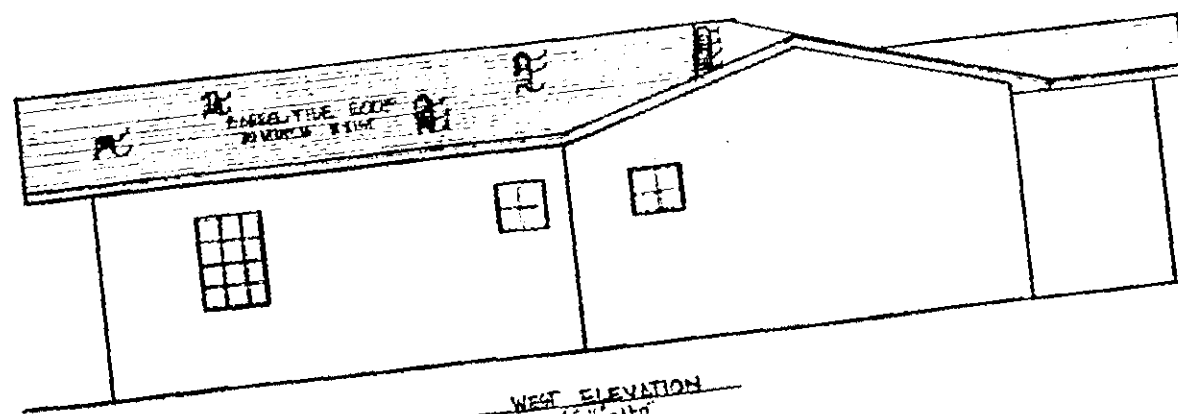
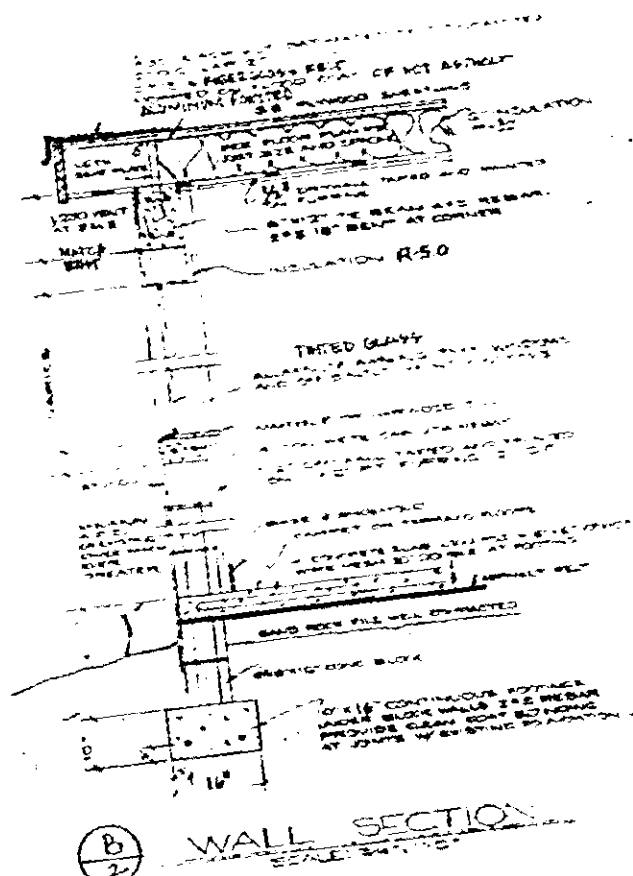
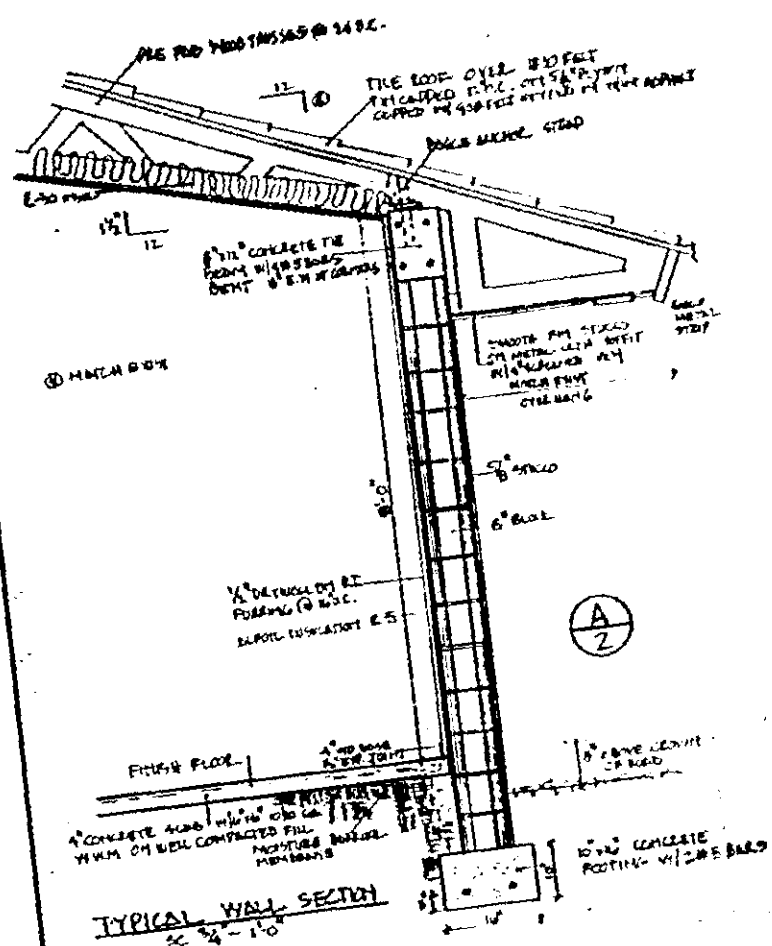
FILE

IS TO CERTIFY THAT PROFESSIONAL MICROFILM SERVICE, INC.
SENTS THE FOLLOWING IMAGES AS AN ACCURATE AND
COMPLETE MICROFILM COPY OF THE ORIGINAL BUSINESS FILES AS
REQUIRED BY THE INSTITUTION INSTRUCTIONS.

PERMIT
B 92-00392

4

00015



REV	BY

PROJECT NO. 11310

ADDITION TO SINGLE FAMILY RESIDENTIAL LOT 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

DATE 11-1-10
SCALE 1/4"=1'-0"
DRAWN BY CH
CHECKED BY JH
DATE 11-1-10

B9200392

Attached to Permit # B9200392

ENTRANCE

6" CONCRETE SLAB 14'0" x 10'0" MIN. CURE WILL COME FILL

FOUNDATION PLAN
SC-14-100

NOTE: 10" WIDE CONCRETE FOOTING CONTIGUOUS TO CHAIRS. 4" x 4" WIDE CONCRETE FOOTING WITH 3 BARS EACH. NOTE: FOUNDATION TO BE ROUTED ON BEDROCK 1'-0" FROM GROUND SURFACE. SOIL WILL BE FOUND TO BE DETAIL. BASIS OF MINIMUM LOAD USE BEARING CAPACITY.

CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY THE FOLLOWING:

DATE: 2-9-13
BY: [Signature]

REVISION FOR E. PARRY W.

ROBERTO MEYER, P.E.
7801 S.W. 22ND ST. #100
MIAMI, FL 33156

FOUNDATION PLAN
SC-14-100

NOTE: 10" WIDE CONCRETE FOOTING CONTIGUOUS TO CHAIRS. 4" x 4" WIDE CONCRETE FOOTING WITH 3 BARS EACH. NOTE: FOUNDATION TO BE ROUTED ON BEDROCK 1'-0" FROM GROUND SURFACE. SOIL WILL BE FOUND TO BE DETAIL. BASIS OF MINIMUM LOAD USE BEARING CAPACITY.

CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY THE FOLLOWING:

DATE: 2-9-13
BY: [Signature]

REVISION FOR E. PARRY W.

ROBERTO MEYER, P.E.
7801 S.W. 22ND ST. #100
MIAMI, FL 33156

B9200392

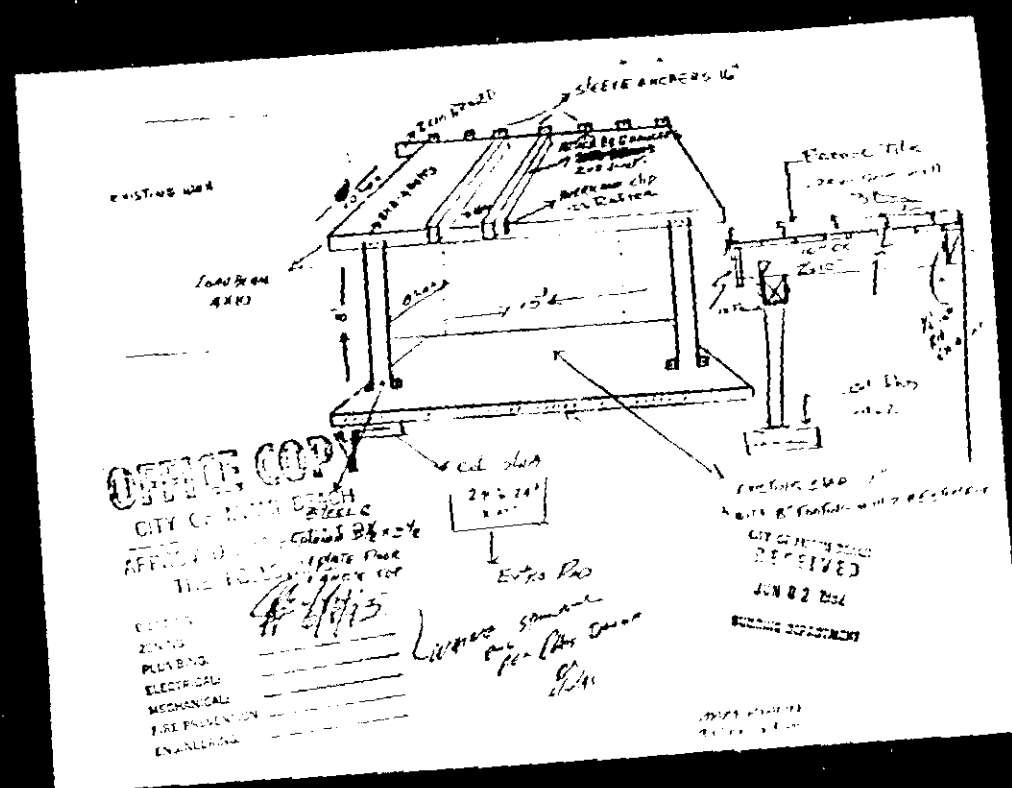
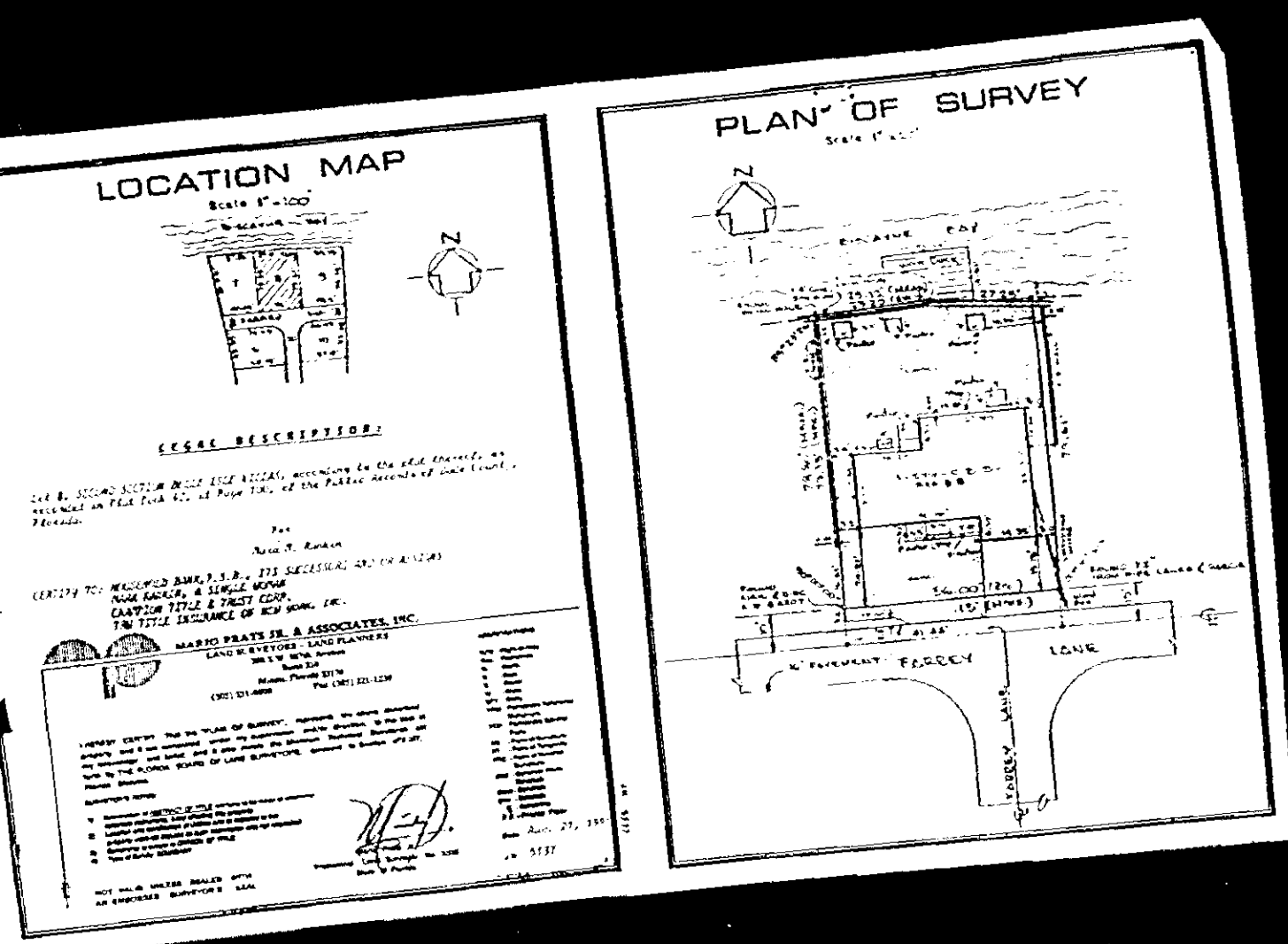
000019

**PREVIOUS DOCUMENT
IN POOR
ORIGINAL CONDITION**

PROfessional Microfilm Services, Inc.
Miami, Florida

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MIAMI BEACH

Building Department
1700 Convention Center Drive, 2nd Flr
Miami Beach, FL 33139

BR 1802645

**NOTICE TO THE CITY OF MIAMI BEACH BUILDING
DEPARTMENT OF EMPLOYMENT AS SPECIAL INSPECTOR
UNDER THE FLORIDA BUILDING CODE**

I have been retained by: OWNER to perform special inspector services under the
Florida Building Code at the 8 FARREY LANE project on the below listed structures as of
9-10-18 (date). I am a professional engineer licensed in the State of Florida.

Process Number: _____

Master Permit (IF APPLICABLE): _____



- Special Inspector for Piling, FBC 1822.7.20
- Special Inspector for Lightweight Insulating Concrete, FBC 1917.2
- Special Inspector for Soil Compaction, FBC 1820.3.1
- Special Inspector for Precast Units and Attachments, FBC 1927.12.2 (By P.E. or R.A.)
- Special Inspector for Reinforced Masonry, FBC 2122.4 (By P.E. or R.A.)
- Special inspection for Steel Bolted & Welded Connections, FBC 2218.2 (By P.E. or R.A.)
- Special Inspector for Trusses over 25 feet long or 6 feet high, FBC 2319.17.2.4.2 (By P.E. or R.A.)
- Special Inspector for _____

NOTE: Only the marked boxes apply.

The following individual's employed by this firm or me are authorized representatives to perform inspections

- | | |
|----------|----------|
| 1. _____ | 2. _____ |
| 3. _____ | 4. _____ |

* Special inspectors utilizing authorized representatives shall insure the authorized representative is qualified by education or licensure to perform the duties assigned by the Special Inspector. The qualifications shall include: licensure as a professional engineer or architect; graduation from an engineering education program in civil or structural engineering; graduation from an architectural education program; successful completion of the NCEES Fundamentals Examination; or registration as a building inspector or general contractor.

I will notify the City of Miami Beach Building Department of any changes regarding authorized personnel performing inspection services.

I, understand that all mandatory inspections, as required by the Florida Building Code, shall be requested by the permit holder and approved by the Building Department Inspectors. Inspections performed by the Special Inspector hired by the Owner are in addition to the mandatory inspections performed by the Building Department. A Special Inspection Log for each building must be displayed in a convenient location on the site for inspection by the Building Department Inspectors. Further, upon completion of the work under each building permit, I will submit to the Building Department at the time of final inspection the completed Inspection Log form and sealed statement that to the best of my knowledge, belief and professional judgment those portions outlined above meet the intent of the Florida Building Code and are in substantial accordance with the approved plans.

[Signature]
No. 38390
Architect/Engineer Signature:
Architect/Engineer
Name Printed:
Address:
Phone Number:
Signed and Sealed
038390
FLORIDA
Professional Engineer
Owner/Agent Signature:
License Number
Owner/Agent Name Printed:

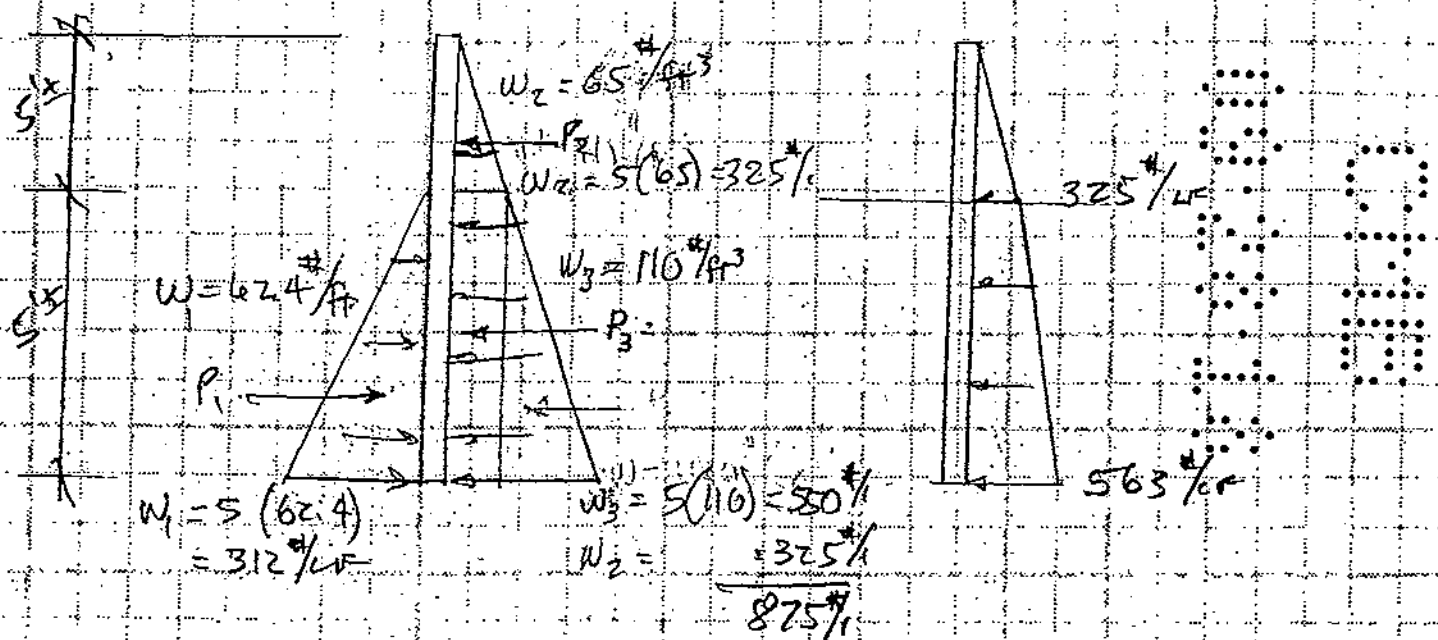
[Signature]
EDWARD A. LAMAR, P.E.
7850 NW 146 ST. # 509, MIAMI GARDENS, FL 33051
305-299-7543

Date: 9-10-18

Building Department
Accepted By: _____

VF 9-28-18

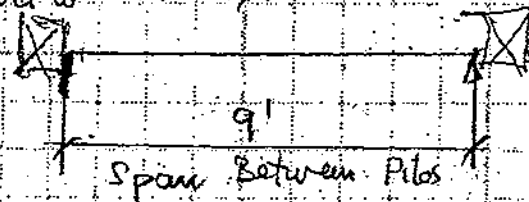
② Design concrete Sheet Pile PANEL:



TOTAL LOADS

NET LOADS

$$U_{\text{net}} = 0.563 \times \text{LWT} = 0.87 \text{ #/ft}$$



$$m = \frac{0.87^2 (9)^2}{8 \text{ K}}$$

$$m = 8.83$$

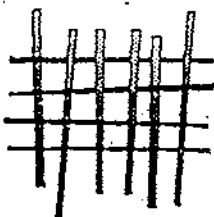
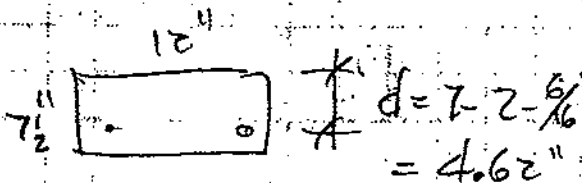
$$F = \frac{12 (4.62)^2}{12 \text{ mm}} = 0.021$$

$$K = \frac{m}{F} = \frac{8.83}{0.021} = 420$$

$$P = 0.0075$$

$$A_s = 0.0060 (12) (4.62)$$

$$A_s = 0.31 \text{ in}^2$$



Edward A.
LANDERS, P.E.
CONSULTING ENGINEERS

P.E. #038398

(305) 823-3938

(705)

9-3-18

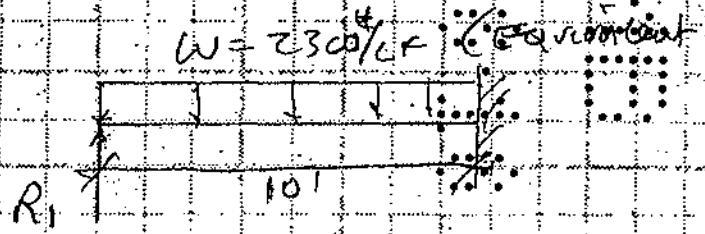
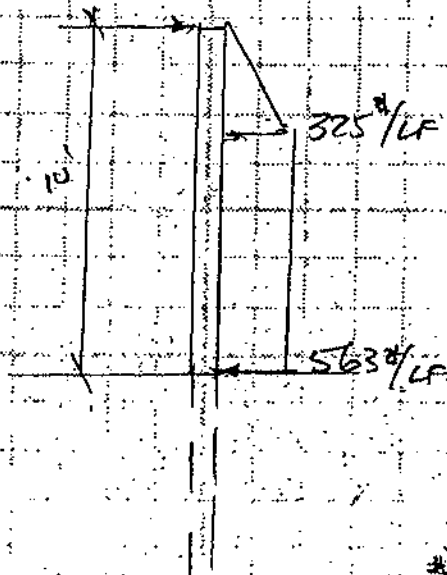
2

$$A_s = 0.31 \text{ in}^2$$

USE: #5 Bars @ 12" OC
EW (one layer)

$$A_s = 0.31 > 0.31 \text{ in}^2 \quad (\text{OK})$$

③ Load on Vertical Pile



$$M_{\text{max}} = \frac{wL^2}{8}$$

$$= \frac{2300(1.55)(10)^2}{8}$$

$$M_{\text{max}} = 44.56 \text{ k}$$

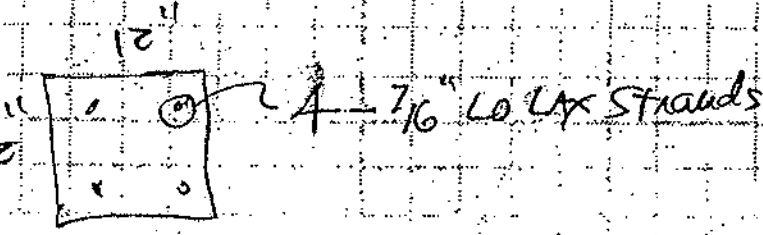
Equivalent Load = 230 #/LF

Area = 10' x 10' = 100 sq ft

$$W = 10.0(230) = 2300 \text{ #/LF}$$

$$R_1 = \frac{3WL}{8} = \frac{3(2300)(10)}{8}$$

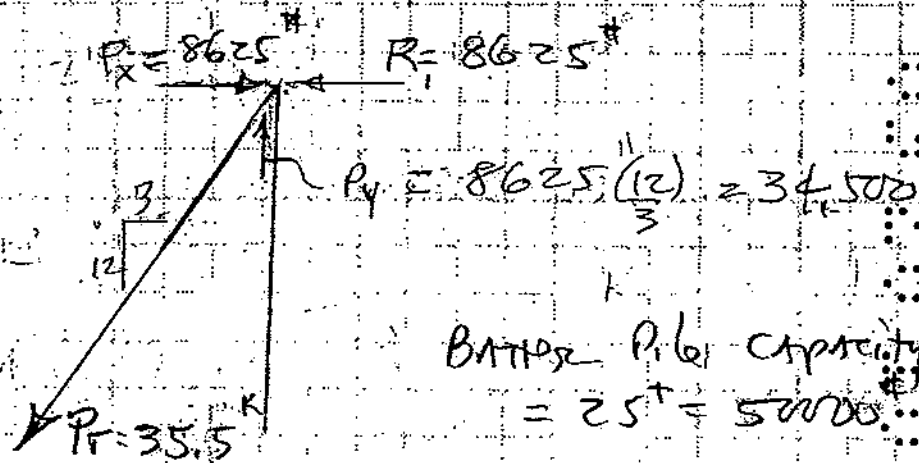
$$R_1 = 8625 \text{ #}$$



Maximum Bending Moment
From MPE = 47.95 k > 44.56 k (OK)
@ 14' Span

USE: 12" x 12" Prestressed Pile

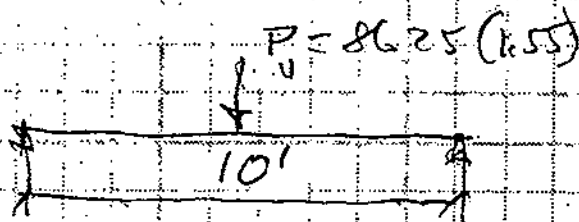
④ BATTER Pile Capacity



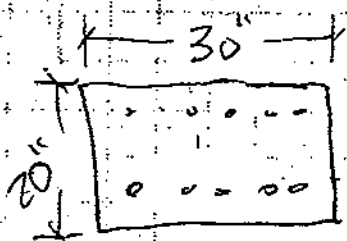
BATTER Pile Capacity
 $= 25^+ = 50000 \text{ lb} > 35560 \text{ lb}$
 (OK)

USE 12" x 12" pile (OK)

⑤ SERRAN CAP Beam

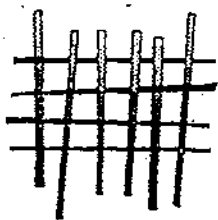


$$M = P_u \frac{l}{4} = \frac{8625 (1.55) (10)}{4} = 33.42 \text{ k}$$



$$\begin{aligned}
 d &= 20 - 3 - \frac{5}{16} \\
 d &= 16.68"
 \end{aligned}$$

$$F = \frac{30 (16.68)^2}{12000} = 0.69$$



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PACIS

9-3-18

4

$$K = \frac{M}{F} = \frac{33.42}{0.69} = 48.4$$

$$P_{min} = 0.0033$$

$$A_s = 0.0033 (30) (16.68)$$

$$A_s = 1.65 \text{ in}^2$$

Cap.

USE: 6 - #5 Bars
Top & Bottom w/
#3 stirrups @
10" oc (3" oc over pilos)



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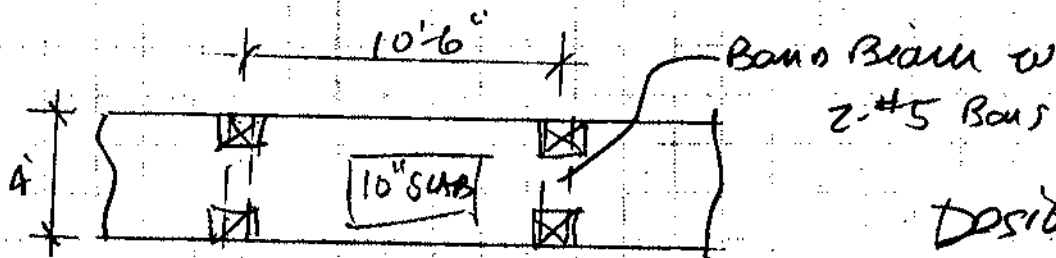
(305)823-3938

(ALL)

9-3-18

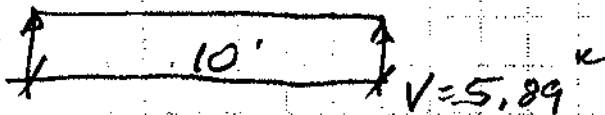
5

B. DESIGN FINGER PIER

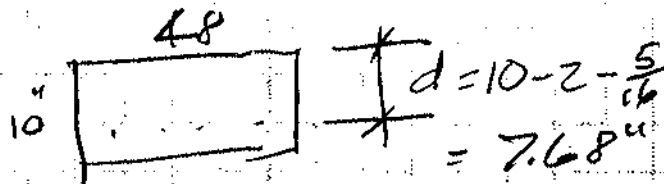


① DESIGN SLAB:

$$W_u = 0.76 \times 1.55 = 1.178 \text{ K}$$



$$M = \frac{1.178 (10)^2}{2} = 14.72 \text{ K-ft}$$



DESIGN LOADS:

$$LL = 48 \text{ PSF}$$

$$DL = 25 \text{ PSF}$$

$$\text{Slab } DL = \frac{10}{12} \times 150 = 125 \text{ PSF}$$

$$\text{TOTAL} = 190 \text{ PSF}$$

$$\text{Trials Area} = 4.05 \text{ SF/CF}$$

$$W = 4.0 (190) = 760 \text{ lb}$$

$$F = \frac{48 (7.68)^2}{12 W} = 0.235$$

$$K = \frac{M}{F} = \frac{14.72}{0.235} = 62.6$$

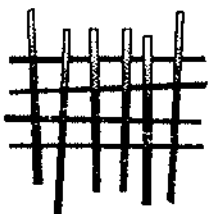
$$P_{min} = 0.0033$$

$$A_s = 0.0033 (48)(7.68) = 1.21 \text{ in}^2$$

FINGER
SLAB

USE: 4 #5 Bars e w/
top & Bot.

$$A_s = 1.24 \text{ in}^2 > 1.21 \text{ in}^2 \text{ OK}$$



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P.E. #038398

(305)823-3938

(Date)

9-3-18

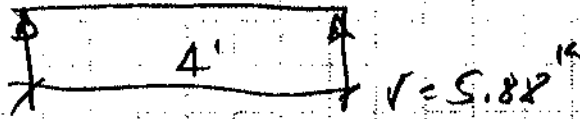
6

② BAND Beam:

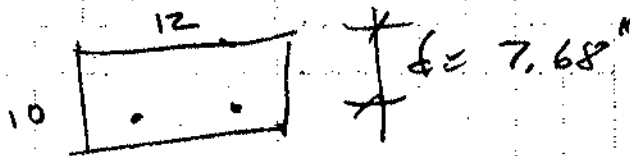
$$V = 5.89 \times 2 = 11.78^K$$

$$\div 4 = 2.94^K/lf$$

$$W_u = 2.94^K/lf$$



$$M = \frac{2.94(4)^2}{8} = 5.89^K$$



$$F = \frac{12(7.68)^2}{12000} = 0.058$$

$$K = \frac{M}{F} = \frac{5.89}{0.058} = 101.5$$

$$P_{min} = 0.0033$$

$$A_s = 0.0033(12)(7.68)$$

$$A_s = 0.30 \text{ in}^2$$

BAND
BEAM

USE: 2-#5 Bars Bottom

$$A_s = 0.62 \text{ in}^2 > 0.30 \text{ in}^2$$

③ Load on Piles

$$\text{Max Load} = 5.88 \times 2 = 11.76^K < 10^T(20000) \text{ (OK)}$$

Piles

USE: 12x12 Prestressed Piles



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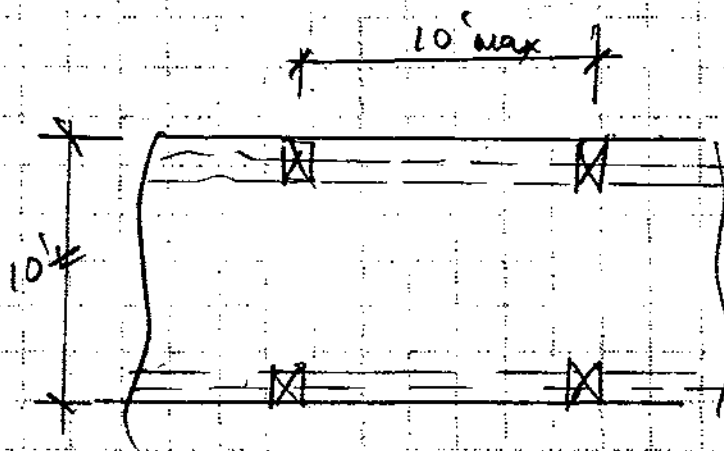
(305)823-3938

CACCS

9-3-18

7

3. Main Deck

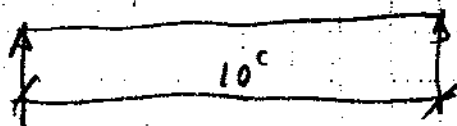


DESIGN LOAD = 190 PSF

trib Area = 1' x 10' 1/4
 $W = 1.0 (190) = 190 \text{ psf}$

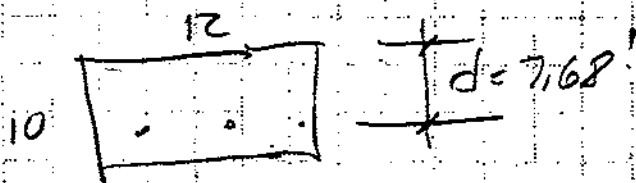
1. DESIGN SLAB

$$W_u = 0.19 \times 1.55 = 0.29 \text{ k/ft}$$



$$F = \frac{12 (7.68)^2}{12000} = 0.058$$

$$M = \frac{0.29 (10)^2}{8} = 3.68 \text{ k-ft} \quad K = \frac{M}{F} = \frac{3.68}{0.058} = 634$$



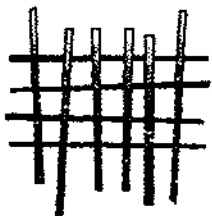
$$\rho_{min} = 0.0033$$

$$A_s = 0.0033 (12) (7.68)$$

$$A_s = 0.30 \text{ in}^2$$

SLAB

USE: #5 BARS @
 12" OC CW TOP & BOT



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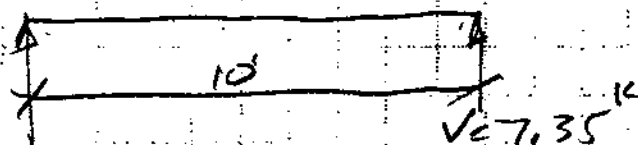
CAES

9-3-18

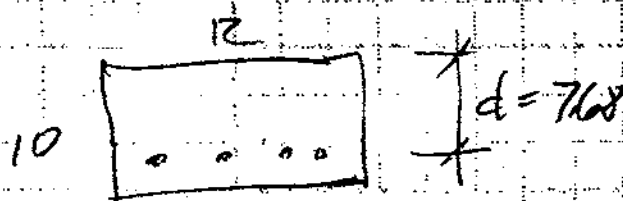
8

② DESIGN Band Beam

$$w_o = 0.95 \times 1.55 = 1.47 \text{ k}$$



$$M = \frac{1.47 (10)^2}{8} = 18.4 \text{ k-in}$$



$$\text{DESIGN LOAD} = 190 \text{ psf}$$

$$\text{TRIAL AREA} = \frac{10}{2} = 5.0 \text{ SF/ft}$$

$$W = 5.0 (190) = 950 \text{ lb}$$

$$F = \frac{12 (7.68)}{12 \text{ in}} = 0.058$$

$$K = \frac{M}{F} = \frac{18.4}{0.058} = 317.2$$

$$\rho = 0.0056$$

$$A_s = 0.0056 (12) (7.68)$$

$$A_s = 0.51 \text{ in}^2$$

Band Beam

USE: 4-#5 BARS
BOTTOM

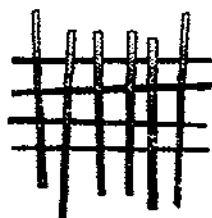
$$A_s = 1.24 \text{ in}^2 > 0.51 \text{ in}^2 \text{ (OK)}$$

③ LOAD on Piles

$$\text{MAX LOAD} = 7.35 \times 2 = 14.7 \text{ k} < 20 \text{ k per Pile}$$

Piles

USE: 12x12 PRESTRESSED
Pile w/ 10 TC CAPACITY



Edward A.
LANDERS, P.E.
CONSULTING ENGINEERS

P.E. #038398

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CACES

9-3-18

9

Kwik Bolt II Expansion Anchor

Influence of Anchor Spacing and Edge Distance f_s, f_e (h_{min} = minimum embedment)

Load Adjustment Factors (Anchor Spacing) f_s							Load Adjustment Factors (Edge Distance) f_e																				
Tensile/Shear							Tensile f_{et}																				
Spacing s in. (mm)	Anchor Diameter						Edge Distance c in. (mm)	Anchor Diameter						Shear f_{ev}													
	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1		$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1								
1 1/4 (29)	.70						1 1/4 (29)	.80																			
1 1/2 (41)	.83	.70					1 1/2 (41)	.97	.80											.50							
2 (51)	.93	.77					2 (51)	1.0	.89											.59							
2 1/4 (57)	1.0	.82	.70				2 1/4 (57)		.95	.80										.67							
2 1/2 (64)		.86	.73				2 1/2 (64)		1.0	.84										.74	.51						
2 3/4 (70)		.91	.77	.70			2 3/4 (70)			.89	.80									.81	.56						
3 1/4 (83)		1.0	.83	.75	.70		3 1/4 (83)			.98	.87	.80								.96	.67						
3 1/2 (95)			.90	.81	.75		3 1/2 (95)			1.0	.95	.86								1.0	.77	.56					
4 1/4 (114)			1.0	.89	.82	.70	4 1/4 (114)				1.0	.95	.80							.92	.67	.54					
5 (127)				.95	.86	.73	5 (127)					1.0	.84							1.0	.74	.61	.51				
5 1/2 (140)				1.0	.91	.77	5 1/2 (140)						.89								.81	.67	.56				
6 (152)					.95	.80	6 (152)						.93								.89	.73	.61				
6 1/2 (165)					1.0	.83	6 1/2 (165)						.98								.97	.79	.67				
7 (178)						.87	7 (178)						1.0								1.0	.85	.72	.52			
8 (203)						.93	8 (203)															.97	.82	.59			
9 (229)						1.0	9 (229)															1.0	.92	.67			
							10 (254)																1.0	.74			
							12 (305)																	.89			
							14 (356)																	1.0			

$f_s = 0.3 \frac{s}{h_{min}} + 0.40$
for $s_{cr} > s > s_{min}$

$f_{et} = 0.4 \frac{c}{h_{min}} + 0.40$
for $c_{cr} > c > c_{min}$

$f_{ev} = 0.333 \frac{c}{h_{min}}$
for $c_{cr} > c > c_{min}$

Influence of Anchor Spacing and Edge Distance f_s, f_e (h_{min} = standard embedment)

Load Adjustment Factors (Anchor Spacing) f_s													Load Adjustment Factors (Edge Distance) f_e												
Tension/Shear													Tension f_{et}												
Spacing s in. (mm)	Anchor Diameter						Edge Distance c in. (mm)	Anchor Diameter							Shear f_{ev}										
	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1		$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1						
2 (51)	.70						2 (51)	.80						.59											
2 1/4 (57)	.74						2 1/4 (57)	.85						.67											
2 1/2 (64)	.78	.70					2 1/2 (64)	.90	.80					.74	.51										
2 3/4 (70)	.81	.73					2 3/4 (70)	.95	.84					.81	.56										
3 1/4 (83)	.89	.79					3 1/4 (83)	1.0	.92					.96	.67										
3 1/2 (95)	.96	.85	.72				3 1/2 (95)		1.0	.83				1.0	.77	.56									
4 1/4 (114)	1.0	.94	.79	.74			4 1/4 (114)			.97	.89				.92	.67	.54								
5 (127)		1.0	.83	.78	.72		5 (127)			.97	.90	.82			1.0	.74	.61	.51							
5 1/2 (140)			.87	.81	.75		5 1/2 (140)			1.0	.95	.86				.81	.67	.56							
6 (152)			.91	.85	.78	.70	6 (152)				1.0	.91	.80			.89	.73	.61							
6 1/2 (165)			.96	.89	.81	.73	6 1/2 (165)					.95	.83			.97	.79	.67							
7 (178)			1.0	.93	.84	.75	7 (178)					1.0	.87			1.0	.85	.72	.52						
8 (203)				.97	.85		8 (203)						.93				.97	.82	.59						
9 (229)					.90		9 (229)						1.0					.92	.67						
10 (254)					1.0		10 (254)											1.0	.74						
12 (305)						1.0	12 (305)												.89						
14 (356)							14 (356)													1.0					
16 (406)							16 (406)																		
18 (457)							18 (457)																		

$f_s = 0.3 \frac{s}{h_{nom}} + 0.40$
for $s_{cr} > s > s_{min}$

$f_{et} = 0.4 \frac{c}{h_{nom}} + 0.40$
for $c_{cr} > c > c_{min}$

$f_{ev} = 0.333 \frac{c}{h_{nom}}$
for $c_{cr} > c > c_{min}$

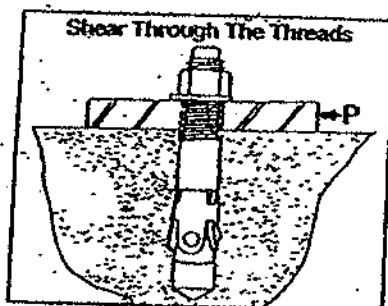
Kwik Bolt II Expansion Anchor

4.3.3

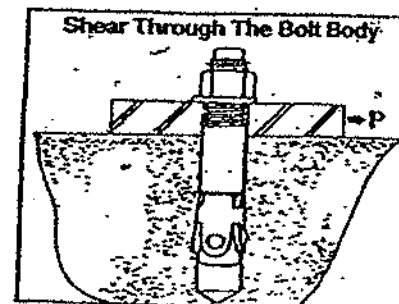
Carbon Steel Kwik Bolt II Allowable Loads in Concrete

Anchor Diameter in. (mm)	Embedment Depth in. (mm)	2000 psi (13.8 MPa)		3000 psi (20.7 MPa)		4000 psi (27.6 MPa)		6000 psi (41.4 MPa)	
		Tension lb (kN)	Shear lb (kN)	Tension lb (kN)	Shear lb (kN)	Tension lb (kN)	Shear lb (kN)	Tension lb (kN)	Shear lb (kN)
1/4 (6.4)	1 1/4 (29)	270 (1.2)	430 (1.9)	330 (1.5)	430 (1.9)	380 (1.7)	430 (1.9)	470 (2.1)	430 (1.9)
	2* (51)	560 (2.5)	530 (2.4)	590 (2.6)	530 (2.4)	630 (2.8)	530 (2.4)	678 (3.0)	530 (2.4)
	3 1/4* (95)	670 (3.0)		670 (3.0)		670 (3.0)			
3/8 (9.5)	1 1/4 (41)	530 (2.4)	990 (4.4)	650 (2.9)	1040 (4.6)	750 (3.3)	1100 (4.9)	850 (3.8)	1100 (4.9)
	2 1/4* (64)	1200 (5.3)	1470 (6.5)	1290 (5.7)	1470 (6.5)	1370 (6.1)	1470 (6.5)	1550 (6.9)	1470 (6.5)
	4 1/4* (108)	1330 (5.9)		1390 (6.2)		1440 (6.4)			
1/2 (12.7)	2 1/4 (57)	1170 (5.2)	1940 (8.6)	1310 (5.8)	1970 (8.8)	1450 (6.4)	1970 (8.8)	1730 (7.7)	1970 (8.8)
	3 1/2* (89)	1870 (8.3)	2450 (10.9)	2130 (9.5)	2450 (10.9)	2400 (10.7)	2450 (10.9)	2800 (12.5)	2450 (10.9)
	6* (152)	2080 (9.3)		2310 (10.3)		2530 (11.3)			
3/4 (15.9)	2 1/4 (70)	1600 (7.1)	3070 (13.7)	1870 (8.3)	3070 (13.7)	2130 (9.5)	3070 (13.7)	2670 (11.9)	3070 (13.7)
	4** (102)	2400 (10.7)	3840 (17.1)	2850 (12.7)	3840 (17.1)	3290 (14.6)	3840 (17.1)	4190 (18.6)	3840 (17.1)
	7** (178)	3200 (14.2)		3470 (15.4)		3730 (16.6)			
7/8 (19.1)	3 1/4 (83)	1970 (8.8)	4140 (18.4)	2320 (10.3)	4140 (18.4)	2670 (11.9)	4140 (18.4)	3200 (14.2)	4140 (18.4)
	4 1/4** (121)	2930 (13.0)	5120 (22.8)	4130 (18.4)	5120 (22.8)	4800 (21.4)	5120 (22.8)	5870 (26.1)	5120 (22.8)
	8** (203)	4000 (17.8)		4930 (21.9)		5870 (26.1)		6320 (28.1)	
1 (25.4)	4 1/2 (114)	3330 (14.8)	7070 (31.4)	4850 (18.0)	7600 (33.8)	4570 (20.8)	8148 (36.2)	5070 (22.6)	9200 (40.9)
	6 (152)	4930 (21.9)	9200 (40.9)	6000 (26.7)	9200 (40.9)	7070 (31.4)	9200 (40.9)	8400 (37.4)	
	9 (229)	6670 (29.7)		7670 (34.1)		8670 (38.6)		10670 (47.5)	

* Values shown are for a shear plane acting through the anchor bolt body. When the shear plane is acting through the anchor bolt threads, reduce the shear values by 20%.



** Values shown are for a shear plane acting through the anchor bolt body. When the shear plane is acting through the anchor bolt threads, reduce the shear value by 12%.



All other values shown are for shear plane acting through either body or threads.



March 2013

ADDENDUM

to the 2012 and previous versions of the
Design Values for Wood Construction

(a supplement to the *National Design Specification® (NDS®) for Wood Construction*)

Effective June 1, 2013, design values for all grades of visually-graded Southern Pine and Mixed Southern Pine Lumber, 2" - 4" thick will change. The design values to use with the 2012 NDS, 2005 NDS, and the 2001 NDS are shown below (values that will change on June 1, 2013 are shown as underlined). These values supersede values published in the AWC March 2012 Addendum.

Table 4B Reference Design Values for Visually Graded Southern Pine Dimension Lumber (2" - 4" thick)^{1,2,3,4,5} (Tabulated design values are for normal load duration and dry service conditions, unless specified otherwise. See NDS 4.3 for a comprehensive description of design value adjustment factors.)

USE WITH TABLE 4B ADJUSTMENT FACTORS

Species and commercial grade	Size classification	Design values in pounds per square inch (psi)							Specific Gravity ⁶	Grading Rules Agency
		Bending F_b	Tension parallel to grain F_t	Shear parallel to grain F_v	Compression perpendicular to grain $F_{c\perp}$	Compression parallel to grain F_c	Modulus of Elasticity			
							E	E_{min}		
SOUTHERN PINE										
Dense Select Structural	2" - 4" wide	2,700	1,900	175	560	2,050	1,800,000	690,000	0.55	SPIB
Select Structural		2,350	1,650	175	565	1,900	1,800,000	660,000		
Non-Dense Select Structural		2,050	1,450	175	480	1,800	1,600,000	580,000		
No.1 Dense		1,650	1,100	175	660	1,750	1,800,000	660,000		
No.1		1,500	1,000	175	565	1,650	1,600,000	560,000		
No.1 Non-Dense		1,300	875	175	480	1,550	1,400,000	510,000		
No.2 Dense		1,200	750	175	560	1,500	1,600,000	580,000		
No.2		1,100	675	175	565	1,450	1,400,000	510,000		
No.2 Non-Dense		1,050	600	175	480	1,450	1,300,000	470,000		
No.3 and Stud		850	400	175	565	850	1,300,000	470,000		
Construction Standard	4" wide	875	500	175	565	1,600	1,400,000	510,000	0.55	
Utility		475	275	175	565	1,300	1,200,000	440,000		
		225	125	175	565	850	1,200,000	440,000		
Dense Select Structural	5" - 6" wide	2,400	1,650	175	560	1,900	1,900,000	690,000	0.55	SPIB
Select Structural		2,100	1,450	175	565	1,800	1,800,000	660,000		
Non-Dense Select Structural		1,850	1,300	175	480	1,700	1,600,000	580,000		
No.1 Dense		1,500	1,000	175	660	1,650	1,800,000	660,000		
No.1		1,350	875	175	565	1,550	1,600,000	560,000		
No.1 Non-Dense		1,200	775	175	480	1,450	1,400,000	510,000		
No.2 Dense		1,050	650	175	560	1,450	1,600,000	580,000		
No.2		1,000	600	175	565	1,400	1,400,000	510,000		
No.2 Non-Dense		950	525	175	480	1,350	1,300,000	470,000		
No.3 and Stud		575	350	175	565	800	1,300,000	470,000		
Dense Select Structural	8" wide	2,200	1,650	175	560	1,850	1,800,000	690,000	0.55	SPIB
Select Structural		1,850	1,350	175	565	1,700	1,800,000	660,000		
Non-Dense Select Structural		1,700	1,200	175	480	1,650	1,500,000	580,000		
No.1 Dense		1,350	900	175	660	1,600	1,800,000	660,000		
No.1		1,250	800	175	565	1,500	1,600,000	580,000		
No.1 Non-Dense		1,100	700	175	480	1,400	1,400,000	510,000		
No.2 Dense		975	600	175	660	1,400	1,600,000	580,000		
No.2		925	550	175	565	1,350	1,400,000	510,000		
No.2 Non-Dense		875	500	175	480	1,300	1,300,000	470,000		
No.3 and Stud		525	325	175	565	775	1,300,000	470,000		

12

Species and commercial grade	Size classification	Design values in pounds per square inch (psi)							Specific Gravity	Grading Rules Agency
		Bending F_b	Tension parallel to grain F_t	Shear parallel to grain F_v	Compression perpendicular to grain $F_{c\perp}$	Compression parallel to grain $F_{c\parallel}$	Modulus of Elasticity			
							E	E_{min}		
SOUTHERN PINE (Continued)										
Dense Select Structural	10" wide	1,950	1,300	175	550	1,900	1,800,000	690,000	0.55	SPB
Select Structural		1,730	1,150	175	535	1,650	1,600,000	660,000		
Non-Dense Select Structural		1,500	1,050	175	480	1,500	1,500,000	580,000		
No.1 Dense		1,200	800	175	550	1,550	1,300,000	650,000		
No.1		1,050	700	175	535	1,450	1,600,000	580,000		
No.1 Non-Dense		950	625	175	480	1,400	1,400,000	510,000		
No.2 Dense		850	525	175	550	1,350	1,600,000	580,000		
No.2		800	475	175	535	1,300	1,400,000	510,000		
No.2 Non-Dense		750	425	175	480	1,250	1,300,000	470,000		
No.3 and Stud	475	275	175	535	750	1,300,000	470,000			
Dense Select Structural	12" wide	1,800	1,250	175	550	1,750	1,800,000	690,000	0.55	SPB
Select Structural		1,600	1,100	175	535	1,650	1,600,000	660,000		
Non-Dense Select Structural		1,400	975	175	480	1,550	1,500,000	580,000		
No.1 Dense		1,100	750	175	550	1,500	1,600,000	650,000		
No.1		1,000	650	175	535	1,400	1,600,000	580,000		
No.1 Non-Dense		900	575	175	480	1,350	1,400,000	510,000		
No.2 Dense		800	500	175	550	1,300	1,600,000	580,000		
No.2		750	450	175	535	1,250	1,400,000	510,000		
No.2 Non-Dense		700	400	175	480	1,200	1,300,000	470,000		
No.3 and Stud	450	250	175	535	725	1,300,000	470,000			
WIDER SOUTHERN PINE										
Select Structural	2" - 4" wide	2,050	1,200	175	565	1,800	1,800,000	690,000	0.51	SPB
No.1		1,450	875	175	565	1,650	1,500,000	550,000		
No.2		1,100	675	175	565	1,450	1,400,000	510,000		
No.3 and Stud	4" wide	850	400	175	565	850	1,200,000	440,000	0.61	
Construction Standard		475	275	175	535	1,300	1,200,000	440,000		
Utility		225	125	175	565	850	1,100,000	400,000		
Select Structural	5" - 6" wide	1,850	1,100	175	565	1,700	1,800,000	680,000	0.51	
No.1		1,300	750	175	565	1,650	1,500,000	550,000		
No.2		1,000	600	175	565	1,400	1,400,000	510,000		
No.3 and Stud	8" wide	575	350	175	565	775	1,200,000	440,000	0.51	
Select Structural		1,750	1,000	175	565	1,600	1,500,000	580,000		
No.1		1,200	700	175	565	1,450	1,500,000	550,000		
No.2	10" wide	925	550	175	565	1,350	1,400,000	510,000	0.61	
No.3 and Stud		525	325	175	565	800	1,200,000	440,000		
Select Structural		1,500	875	175	565	1,600	1,500,000	580,000		
No.1	12" wide	1,050	600	175	565	1,450	1,500,000	550,000	0.51	
No.2		850	475	175	565	1,300	1,400,000	510,000		
No.3 and Stud		475	275	175	565	750	1,200,000	440,000		
Select Structural	12" wide	1,400	825	175	565	1,550	1,600,000	580,000	0.51	
No.1		975	575	175	565	1,400	1,500,000	550,000		
No.2		750	450	175	565	1,250	1,400,000	510,000		
No.3 and Stud		450	250	175	565	725	1,200,000	440,000		

- LUMBER DIMENSIONS.** Tabulated design values are applicable to lumber that will be used under dry conditions such as in most covered structures. For 2" to 4" thick lumber the DRY dressed sizes shall be used (see Table 1A) regardless of the moisture content at the time of manufacture or use. In calculating design values, the natural gain in strength and stiffness that occurs as lumber dries has been taken into consideration as well as the reduction in size that occurs when unseasoned lumber shrinks. The gain in load carrying capacity due to increased strength and stiffness resulting from drying more than offsets the design effect of size reductions due to shrinkage.
- STRESS-RATED BOARDS.** Information for various grades of Southern Pine stress-rated boards of nominal 1", 1½", and 1¾" thickness, 2" and wider is available from the Southern Pine Inspection Bureau (SPIB) in the *Standard Grading Rules for Southern Pine Lumber*.

3. **SPRUCE PINE.** To obtain recommended design values for Spruce Pine graded to SPIB rules, multiply the appropriate design values for Mixed Southern Pine by the corresponding conversion factor shown below and round to the nearest 100,000 psi for E ; to the nearest 10,000 psi for E_{min} ; to the next lower multiple of 5 psi for F_b and $F_{t\perp}$; to the next lower multiple of 50 psi for F_b , F_t , and F_c ; if 1,000 psi or greater, 25 psi otherwise.

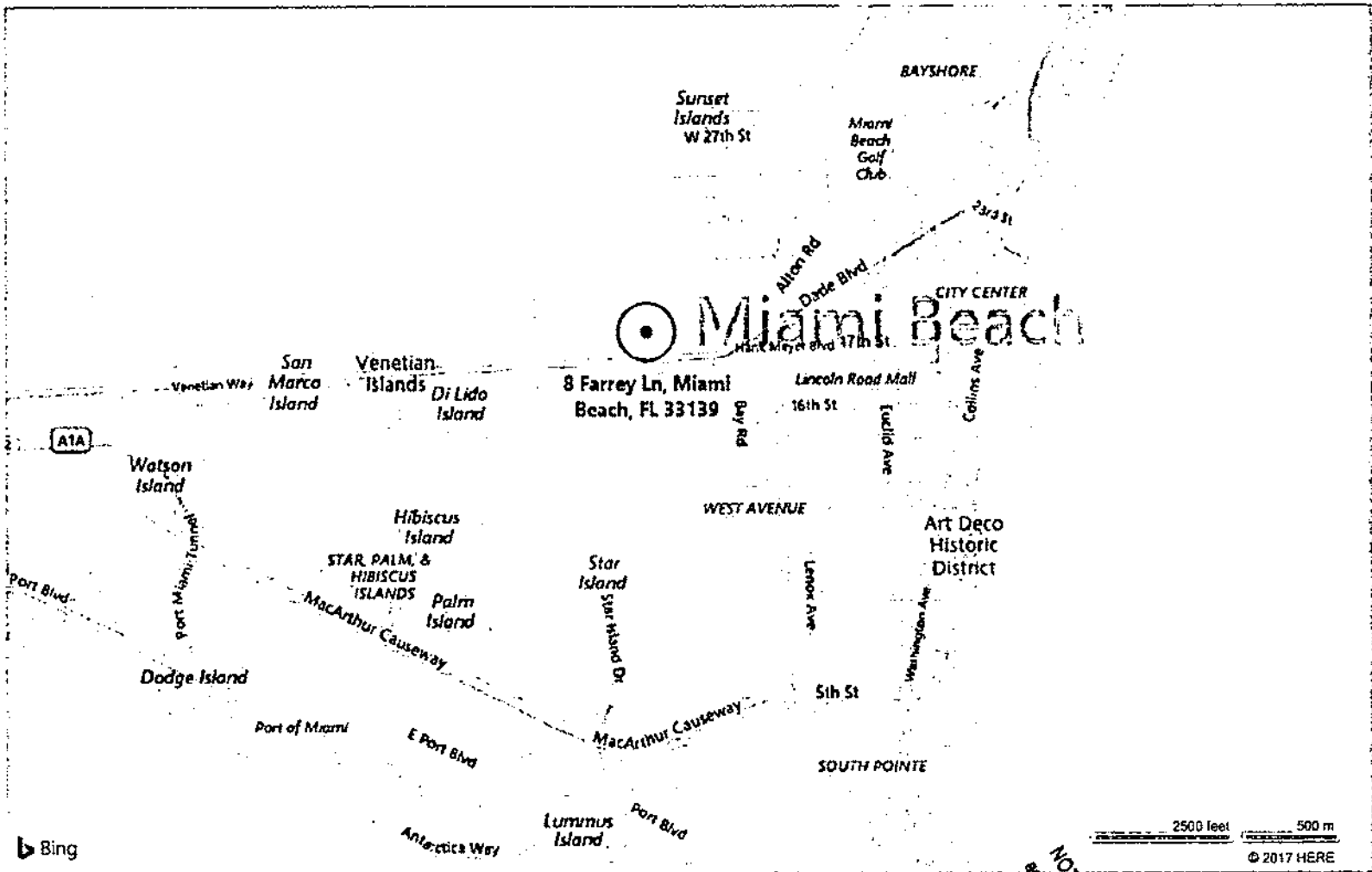
CONVERSION FACTORS FOR DETERMINING DESIGN VALUES FOR SPRUCE PINE

	Bending	Tension parallel to grain	Shear parallel to grain	Compression perpendicular to grain	Compression parallel to grain	Modulus of Elasticity
	F_b	F_t	F_v	$F_{t\perp}$	F_c	E and E_{min}
Conversion Factor	0.78	0.78	0.98	0.75	0.78	0.82

4. **SIZE FACTOR.** For sizes wider than 12", use size factors for F_b , F_t , and F_c specified for the 12" width. Use 100% of the F_v , $F_{t\perp}$, E , and E_{min} specified for the 12" width.
5. When individual species or species groups are combined, the design values to be used for the combination shall be the lowest design values for each individual species or species group for each design property.
6. Specific gravity, G , based on weight and volume when oven-dry.

bing maps

8 Farrey Ln, Miami Beach, FL 33139



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 the County and there may be additional permits required from other government 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.

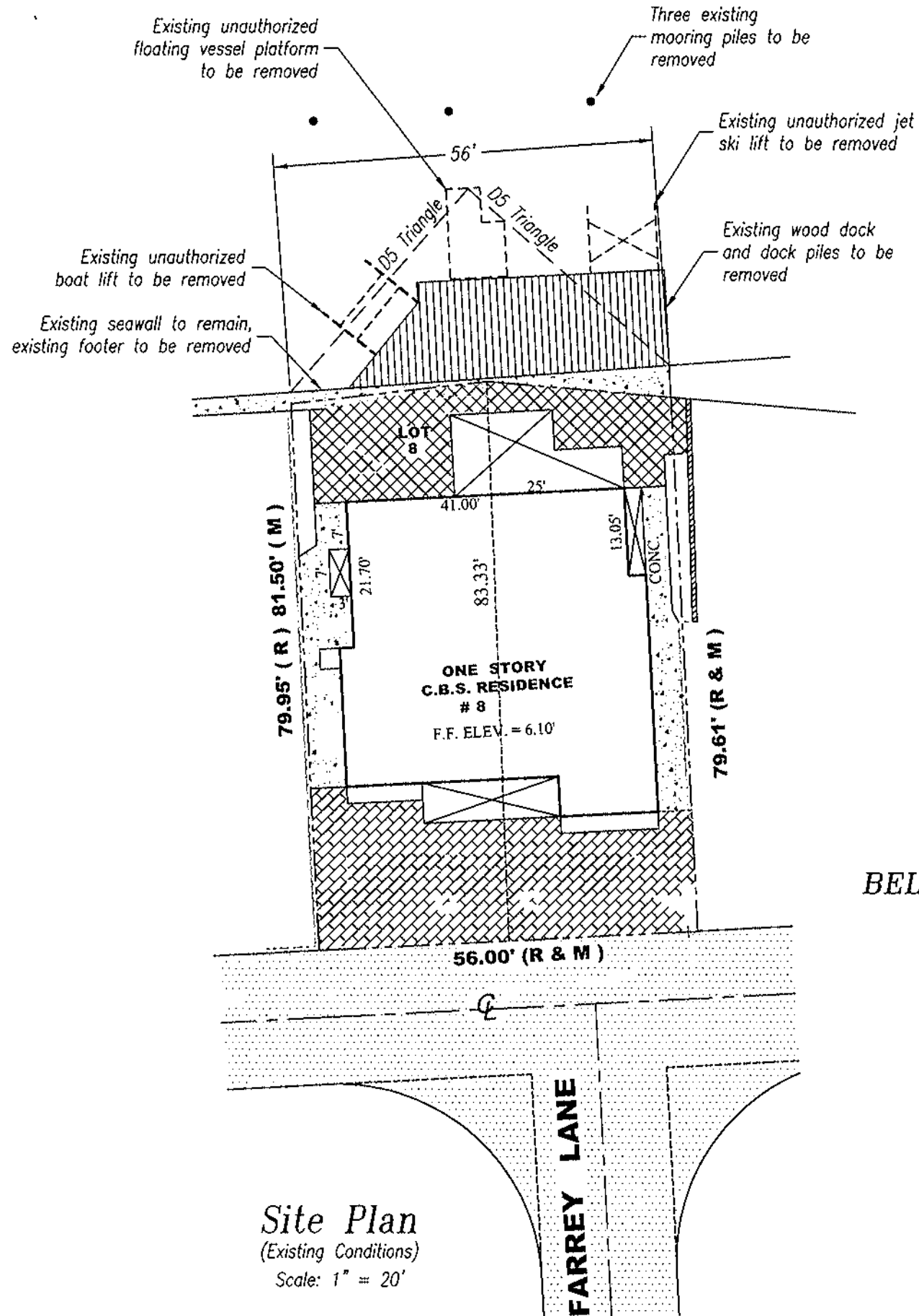
NATURAL RESOURCES DIVISION
DEPARTMENT OF REGULATORY
AND ECONOMIC RESOURCES

OCT 26 2018

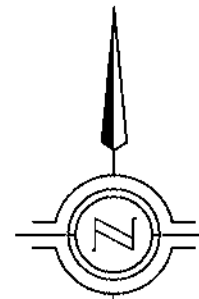
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CITY OF MIAMI BEACH
URBAN FORESTRY DIVISION
APPROVED PLANS
TREE PERMIT #:
BY: 11/5/14



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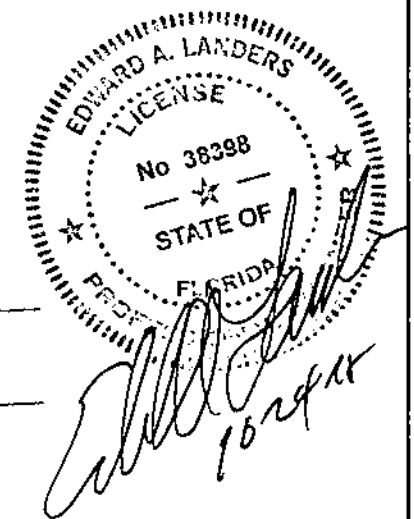
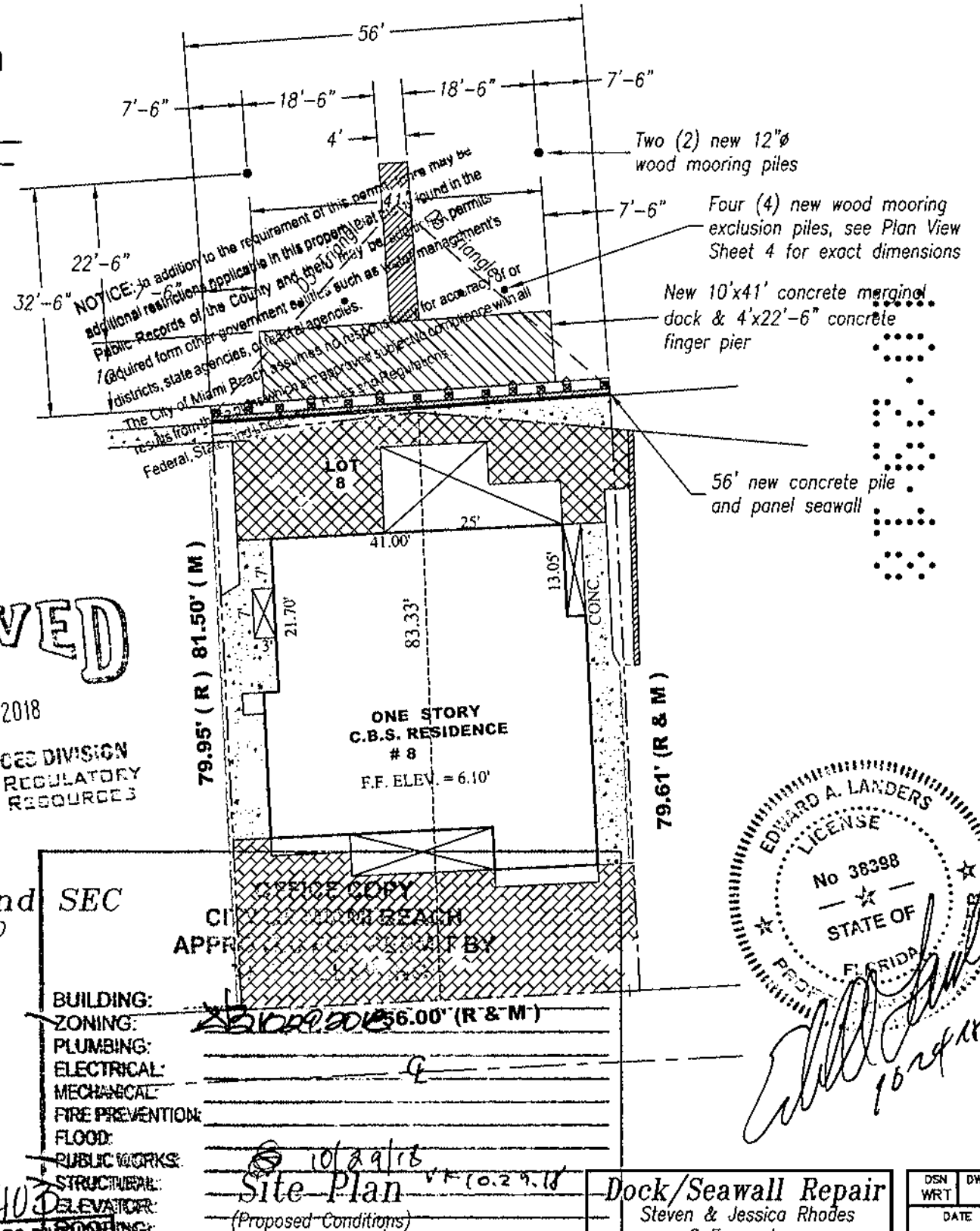
OCT 26 2018

NATURAL RESOURCES DIVISION
DEPARTMENT OF REGULATORY
AND ECONOMIC RESOURCES

Lot 8

BELLE ISLE VILLAS 2nd SEC

Plat Book 42 Page 100
Dade County
Florida



CL-2015-0403
PRELIMINARY APPROVAL
NAME unimercado
DATE 10/22/18

Dock/Seawall Repair
Steven & Jessica Rhodes
8 Farrey Lane
Miami Beach, Florida 33139
Edward A Landers PE Inc
PE License # 038398
7850 NW 146 Street #509
Miami Lakes, Florida 33016
(305) 823-3938
Edward A Landers, P.E.

DSN	DWN
WRT	
DATE	12.24.2017
PLOT	240
DWG No.	8 FL SP 240
DIRECTORY	MM/Docks
Sheet	1

PUBLIC WORKS
PLAN REVIEW NOTICE

Phone 305-673-7080

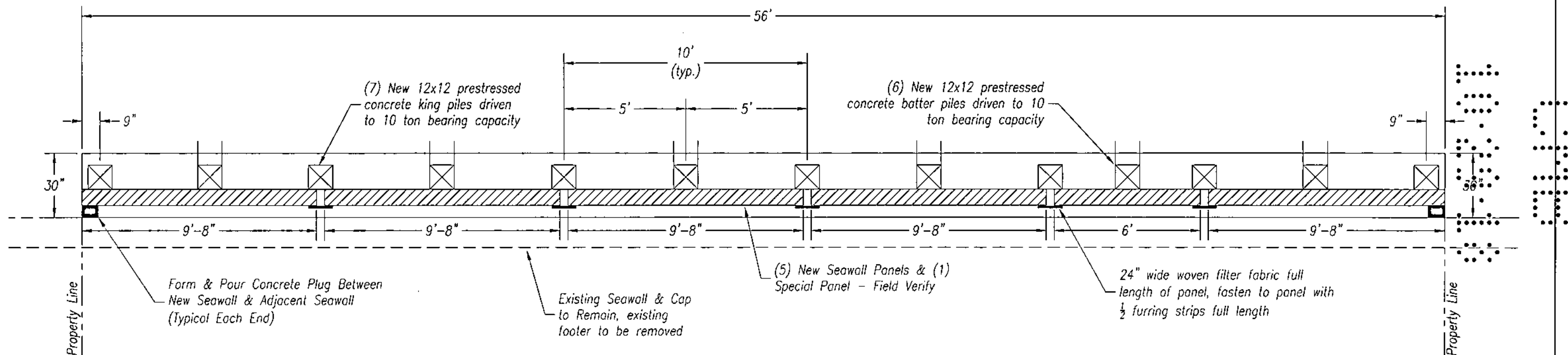
Fax 305-673-7028

THIS PLAN REVIEW CONSTITUTES APPROVAL FOR OBTAINING
BUILDING PERMITS ONLY.

Materials and equipment are to be retained within

the Right of Way for use of equipment in the Right of Way
work. A separate Public Works
PERMIT TO EXCAVATE IN THE RIGHT OF WAY

Before starting any excavation in the right of way, you must
contact the State One Call of Florida (1-800-452-4770) no
later than 48 hours prior to the excavate; you cannot start the
work if the utilities have not been located at the job site.



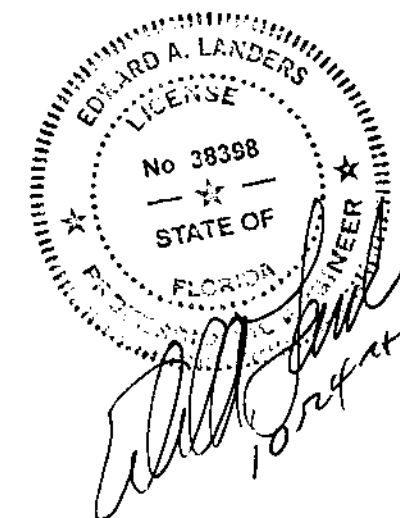
Lay-Out for Seawall

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

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OCT 26 2018

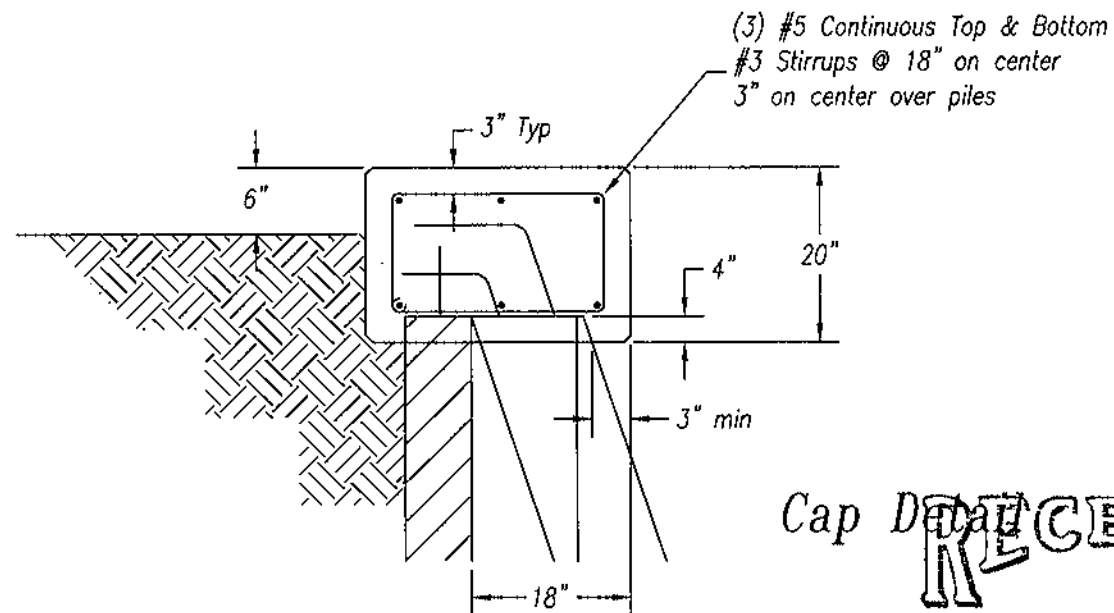
NATURAL RESOURCES DIVISION
DEPARTMENT OF REGULATORY
AND ECONOMIC RESOURCES



RER - NATURAL RESOURCES DIVISION
PRELIMINARY APPROVAL
NAME Edward A. Landers
DATE 10/29/18

Dock/Seawall Repair
Steven & Jessica Rhodes
8 Farrey Lane
Miami Beach, Florida 33139
Edward A Landers PE Inc
PE License # 038398
7850 NW 146 Street #509
Miami Lakes, Florida 33016
(305) 823-3938
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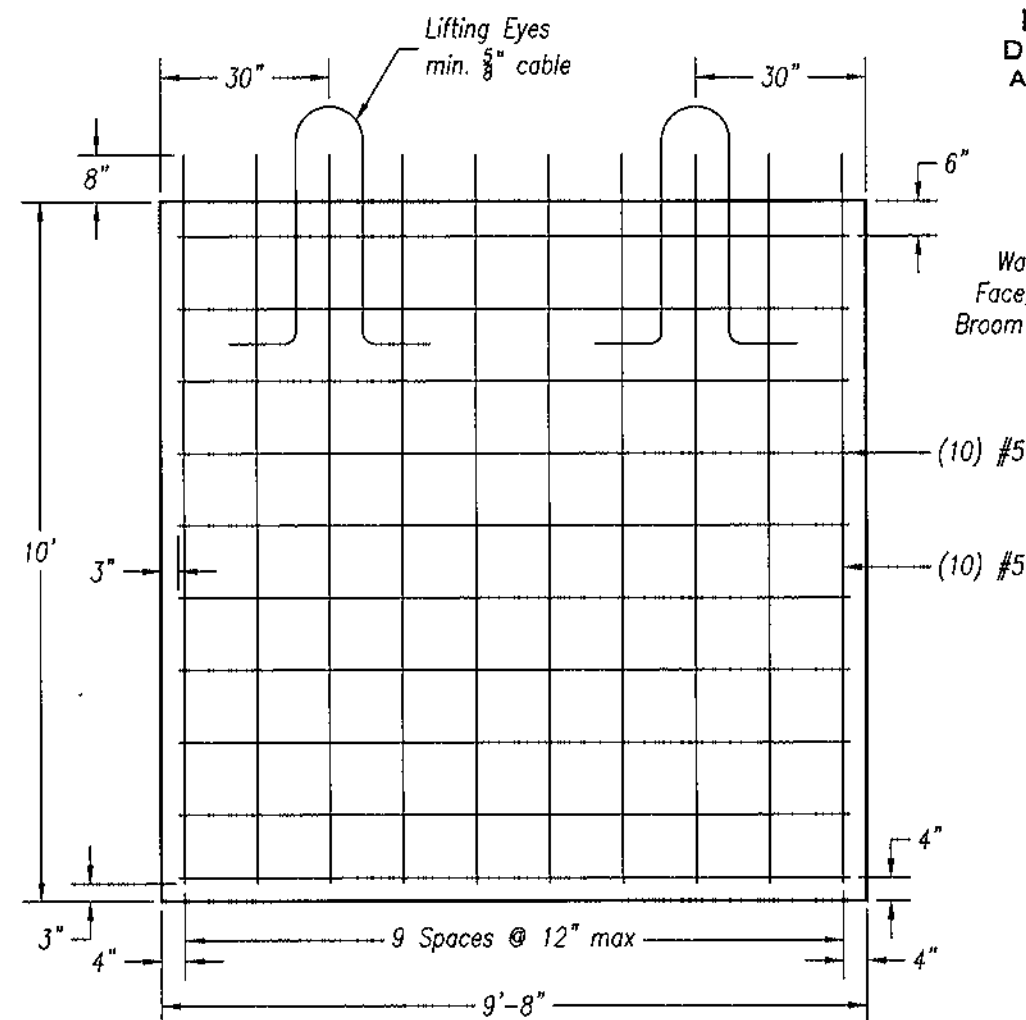
DSN	DWN
WRT	
DATE	
12.24.2017	
PLOT	
48	
DWG No.	
8 FL SW 48	
DIRECTORY	
MM/Seawalls	
Sheet 2	



Cap Detail

OCT 26 2018

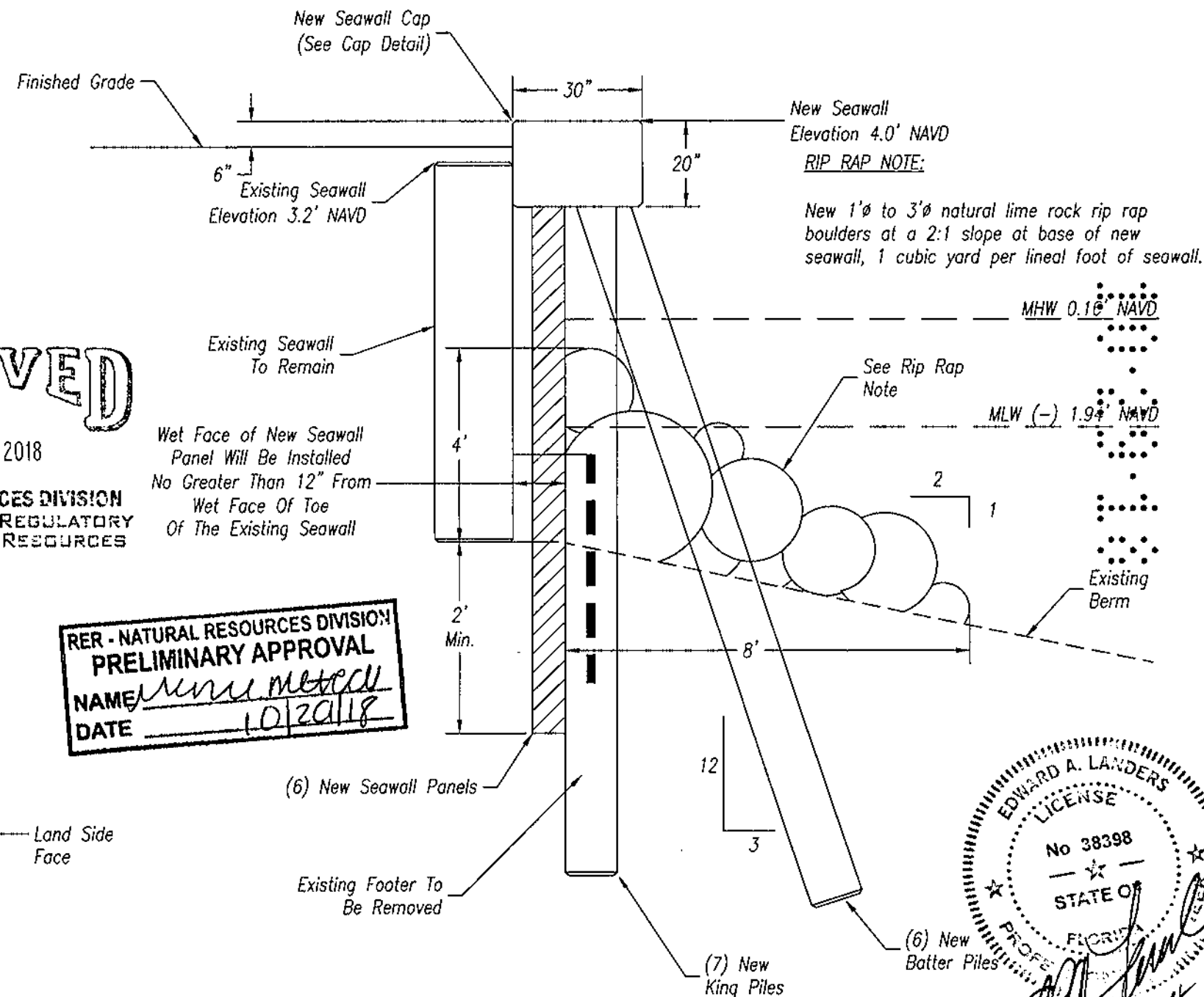
NATURAL RESOURCES DIVISION
DEPARTMENT OF REGULATORY
AND ECONOMIC RESOURCES



Panel Detail

Scale: $\frac{3}{8}$ " = 1'-0"

Typ. Section



Seawall Section

Scale: $\frac{3}{8}$ " = 1'-0"

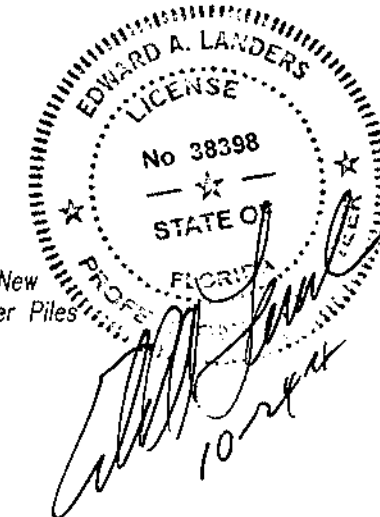
Structural Note:

Engineer of record certifies that the
existing seawall as constructed can be
elevated to 7.26' NGVD (4.00' NAVD)

ENGINEERS NOTE:

The foundation of the seawall has been designed to
structurally account for the construction of a wall with a
top of cap elevation of up to 5.7' NAVD

RER - NATURAL RESOURCES DIVISION
PRELIMINARY APPROVAL
NAME Edward A. Landers
DATE 10/26/18

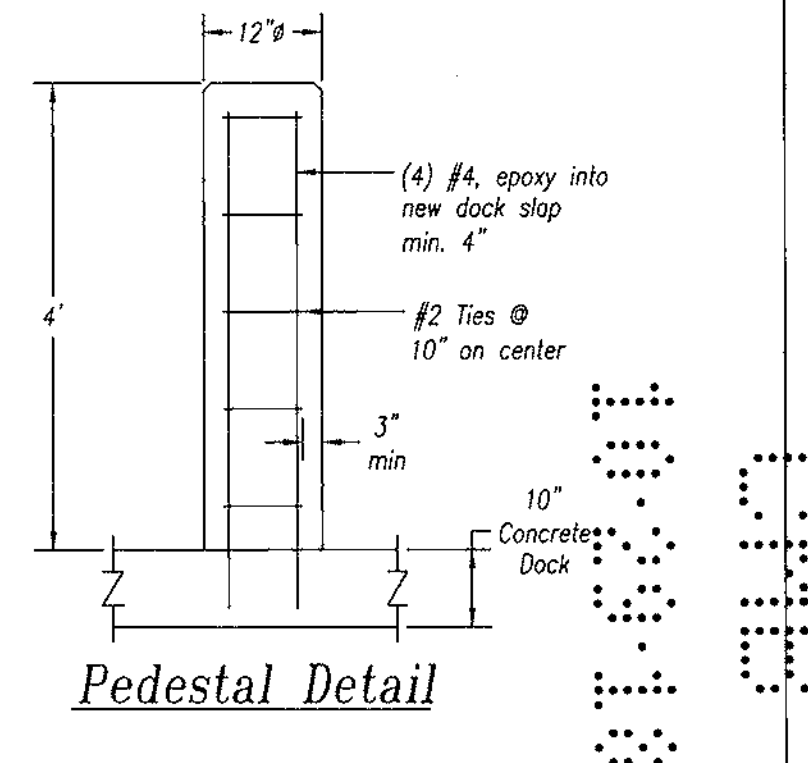
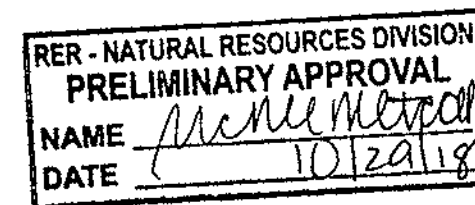
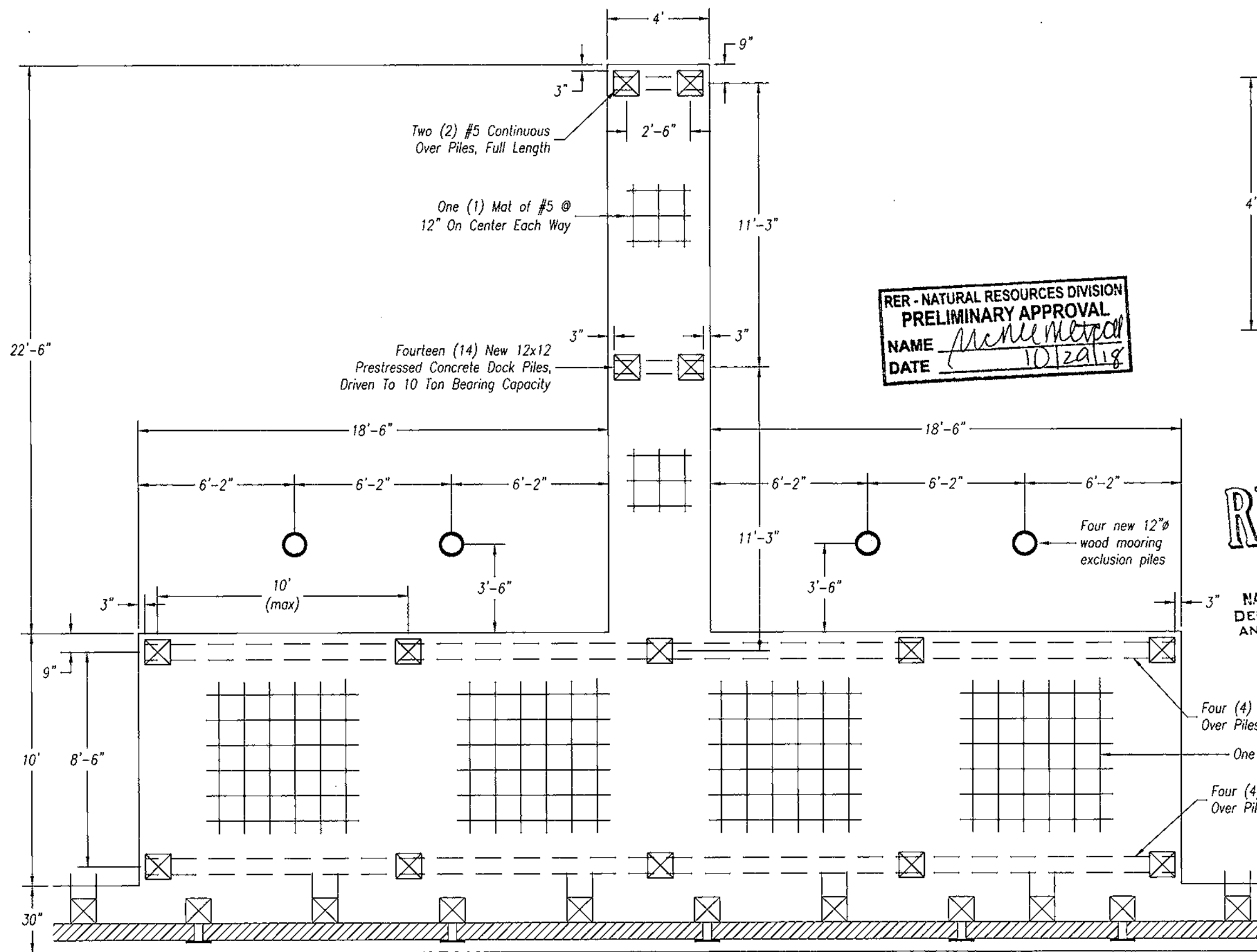


Dock/Seawall Repair
Steven & Jessica Farrey
8 Farrey Lane
Miami Beach, Florida 33139

Edward A Landers PE Inc
PE License # 038398
7850 NW 146 Street #509
Miami Lakes, Florida 33016
(305) 823-3938

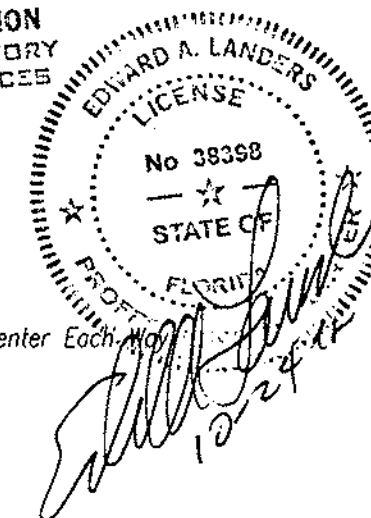
Edward A Landers, P.E.

DSN	DWN
WRT	
DATE	12.24.2017
PLOT	32
DWG No.	9 FL New Seawall
DIRECTORY	MM/Seawalls
Sheet	3



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DEPARTMENT OF REGULATORY
AND ECONOMIC RESOURCES

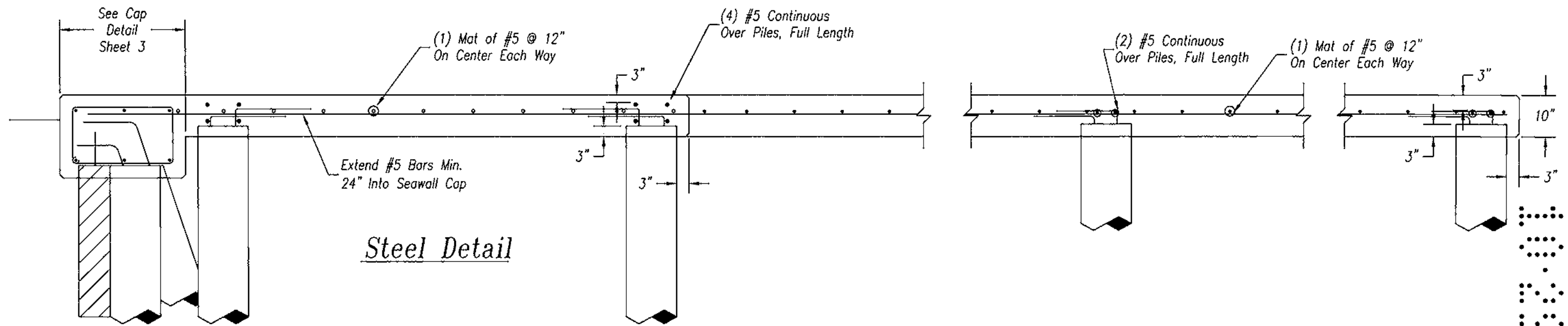


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Steven & Jessica Rhodes
8 Farrey Lane
Miami Beach, Florida 33139

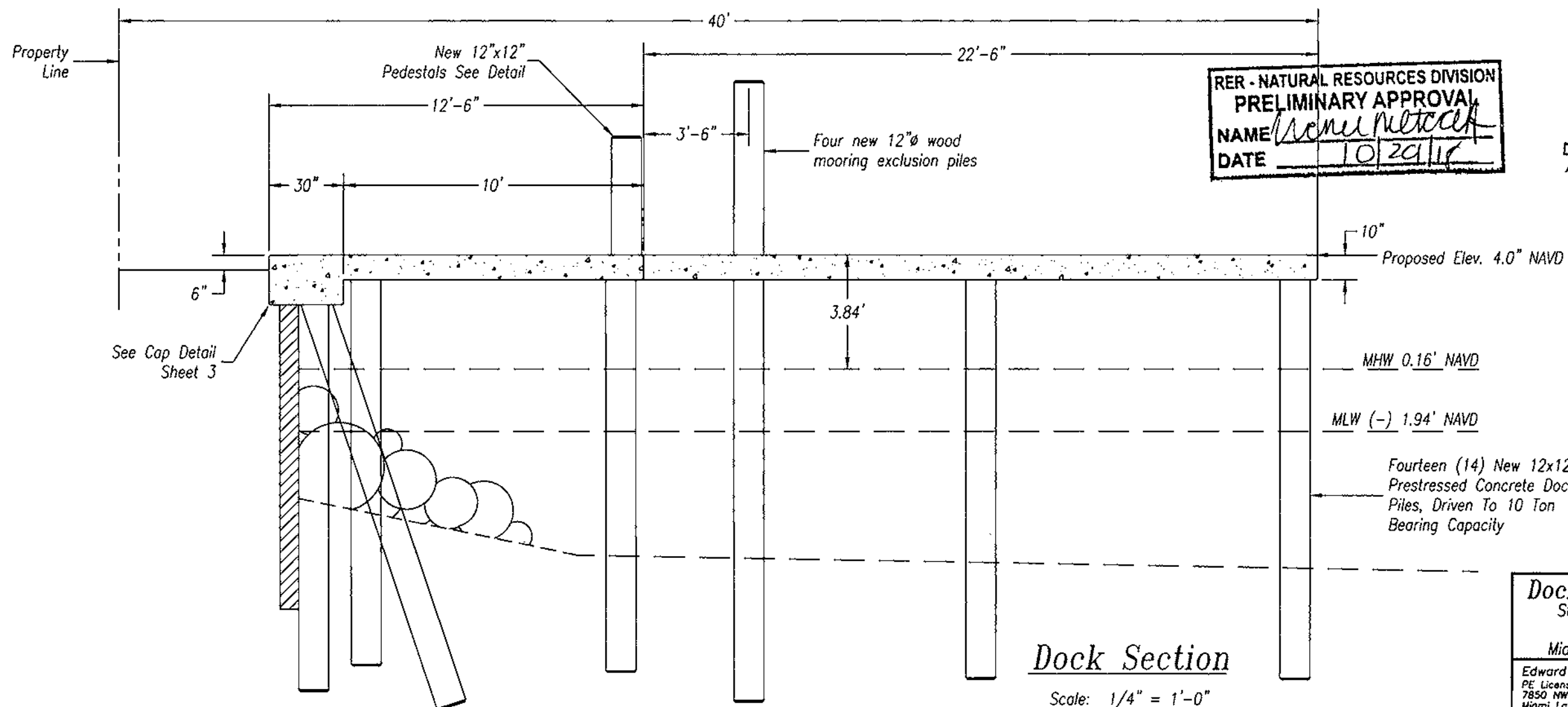
Edward A Landers PE Inc
PE License # 038398
7850 NW 146 Street #509
Miami Lakes, Florida 33016
(305) 823-3938

Edward A. Londers, P.E.

DSN	OWN
WRT	
DATE 12.24.2017	
PLOT 48	
DWG No. 8 FL SW 48	
DIRECTORY MM Seawall	
Sheet 4	

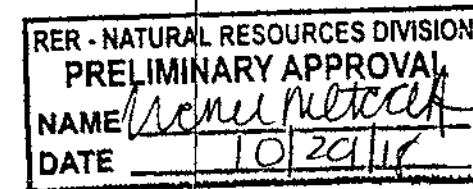


Steel Detail



Dock Section

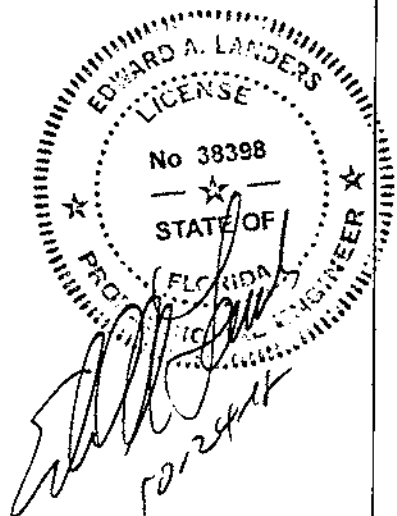
Scale: 1/4" = 1'-0"



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Steven & Jessica Rhodes
8 Farrey Lane
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Edward A Landers PE Inc
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Edward A Landers, P.E.

DSN	OWN
WRT	
DATE	12.24.2017
PLOT	48
DWG No.	8 FL SW 48
DIRECTORY	MM\Seawalls
Sheet	5

GENERAL NOTES:

1. Construction to follow the Florida Building Code 6th Edition (2017) and amendments as applicable and all Local, State and Federal Laws.
2. Licensed contractor shall verify the existing conditions prior to the commencement of the work. Any conflicts or omissions between existing conditions or the various elements of the working drawing shall be brought to the attention of the Engineer prior to the commencement of the work. The Licensed Contractor and all subcontractors are responsible for all lines, elevations, and measurements in connection with their work.
3. Do not scale drawings for dimensions.
4. Any deviation ord/or substitution from the information provided herein shall be submitted to the Engineer for approval prior to commencement of work.
5. All unanticipated or unforeseen demolition and/or new construction conditions which require deviation from the plans and notes herein shall be reported to the Engineer prior to commencement of work.
6. All new work and/or materials shall conform to all requirements of each administrative body having jurisdiction in each pertaining circumstance.
7. All new materials and/or patchwork shall be provided to match existing materials and/or adjoining work where practical except as specifically noted herein.
8. Licensed Contractor to shall use all possible care to protect all existing materials, surfaces, and furnishings from damage during all phases of construction.
9. Licensed Contractor to verify location of existing utilities prior to commencing work.
10. The Licensed contractor to install and remove all shoring and bracing as required for the proper execution of the work.
11. Licensed Contractor to obtain all permits as necessary from all Local, State, and Federal agencies.
12. Turbidity barriers to be marked with site contractor's company name using permanent markings no smaller than 3 inches in height on the top of the barrier.

PILE DRIVING:

1. Pile driving operations shall be observed by a special inspector, including test piles sufficient to determine the approximate length required to meet design capacity.
2. Piles shall be driven using an approved cushion block consisting of material so arranged so as to provide the transmission of the hammer energy.
3. Piles shall be driven to required capacity a minimum of 8' into berm.
4. Piles shall be driven with a drop hammer or gravity hammer provided the hammer shall weight no less than 3,000 pounds, and the fall of the hammer shall not exceed 6'.
5. Piles shall be driven with a variation of not more than $\frac{1}{4}$ inch per foot from the vertical, or from the batter line indicated, with a maximum variation of the head of the pile from the position shown on the plans of not more than three inches.
6. Where piling must penetrate strata offering high resistance to driving, the structural engineer of records or special inspector may require that the piles be set in pre-drilled or punched holes. The piles shall reach their final penetration by driving.

CONCRETE NOTES:

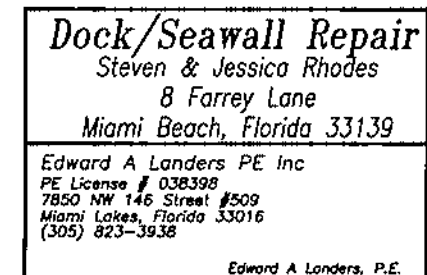
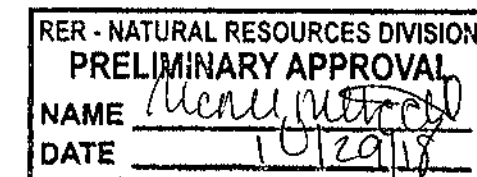
1. Concrete shall conform to ACI 318 (latest edition) and shall be regular weight, sulfate resistant, with a design strength of 5000 psi at 28 days with a maximum water-cementitious materials ratio, by weight aggregate concrete of 0.40.
2. Owner shall employ and pay for testing services from an independent testing laboratory for concrete sampling and testing in accordance with ASTM.
3. Licensed contractor is responsible for the adequacy of forms and shoring and for safe practice in their use and removal.
4. Concrete cover shall be 3" unless otherwise noted on the approved drawings.
5. Reinforcing steel shall be in conformance with the latest version of ASTM A615 Grade 60 specifications. All reinforcement shall be placed in accordance with ACI 315 and ACI Manual of Standard Practice.
6. Splices in reinforcing bars shall be not be less than 48 bar diameters and reinforcing shall be continuous around all corners and change in direction. Continuity shall be provided at corners or changes in direction by bending the longitudinal and steel around the corner 48 bar diameters.
7. For repair of defective, cracked or loose concrete areas must be cut out, the rebar must be cleaned, coated with zinc and repaired with at least 3" of epoxy-concrete mix or gunnite concrete with sulfate-resistant cement.

PILE NOTE:

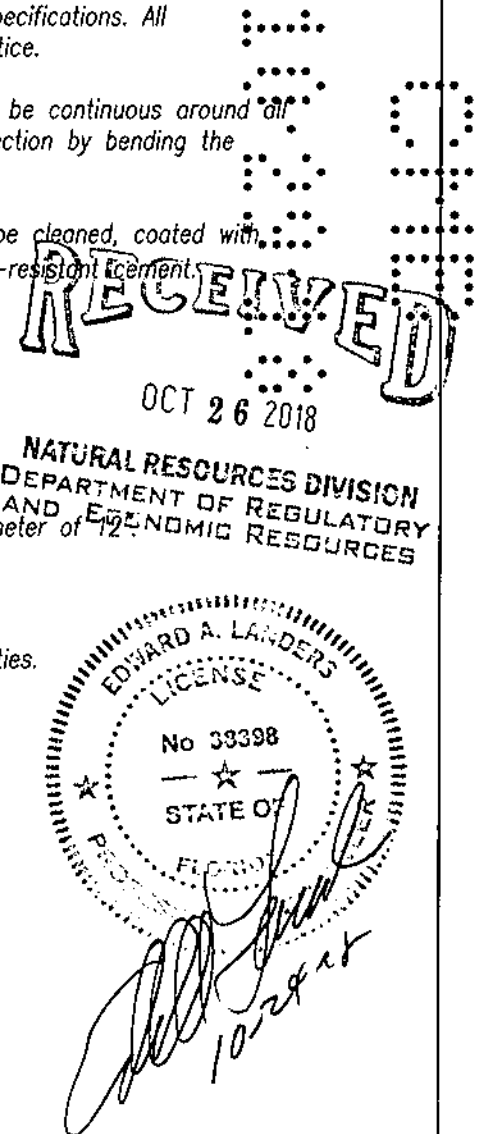
1. Wood piles to be 2.5 lb. CCA treated in accordance with AWWA standard C18.
2. Wood piles shall be driven to a minimum bearing capacity of 10 tons.
3. Wood piles shall be a minimum diameter of 10", Miami Dade County requires minimum diameter of 12".
4. Concrete piles shall attain 6000 psi compressive strength in 28 days.
5. Concrete piles shall be reinforced with four - $\frac{7}{8}$ " lo-lax strands, 270 kips, and #5 spiral ties.
6. Concrete piles shall be 12"x12" square, minimum length of 20'.
7. Concrete piles shall be driven to a minimum bearing capacity of 10 tons.

WOOD DOCK NOTES:

1. All materials to be pressure treated pine unless otherwise noted.
2. All frame work materials to be grade #2.
3. All Decking materials to be grade #1 unless otherwise noted.
4. All hardware to be Stainless Steel unless otherwise noted.

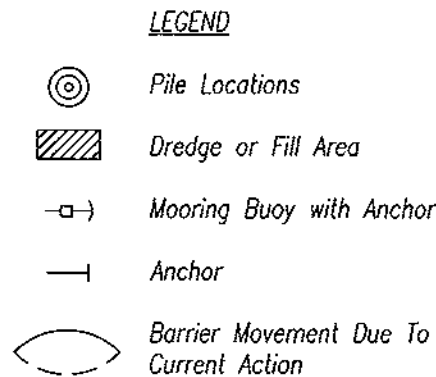
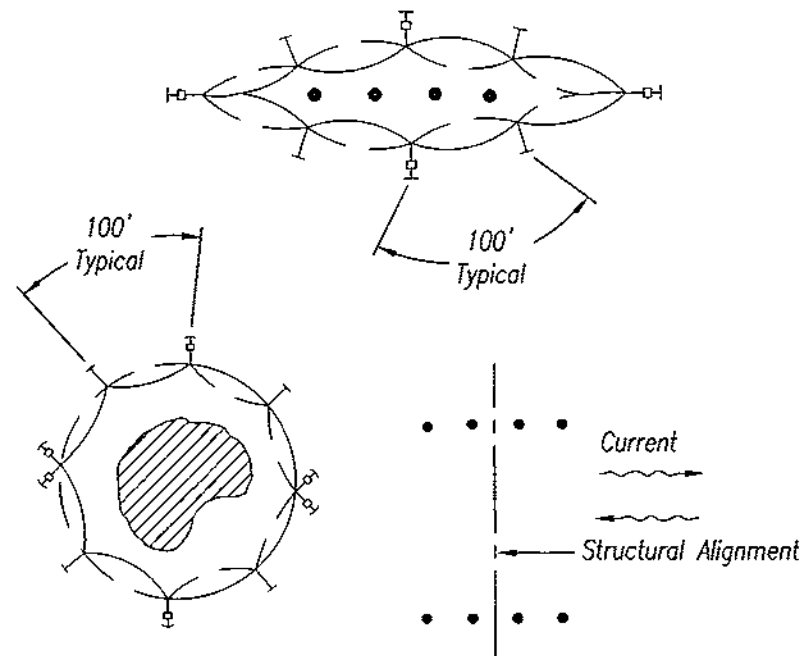
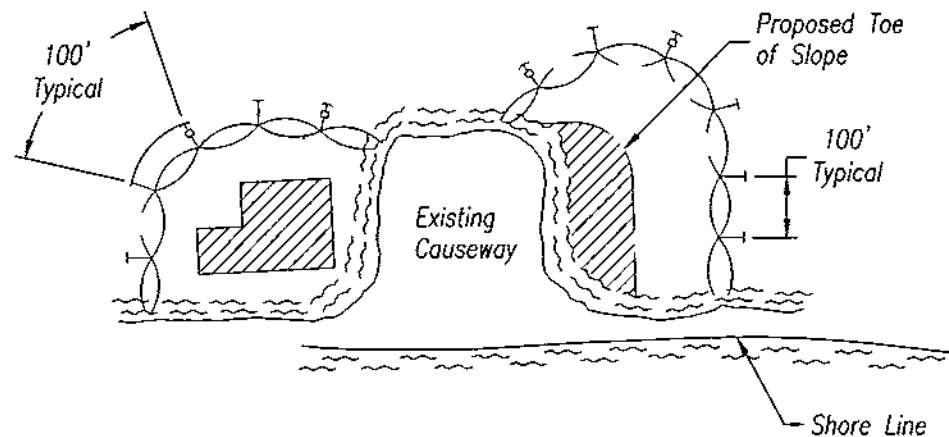


DSN	DWN
WRT	
DATE	12/24/2017
PLOT	48
DWG No.	8 FL SW 48
DIRECTORY	MM Seawalls
Sheet	6



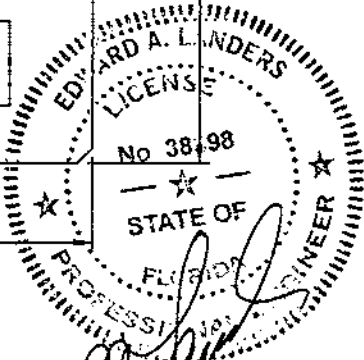
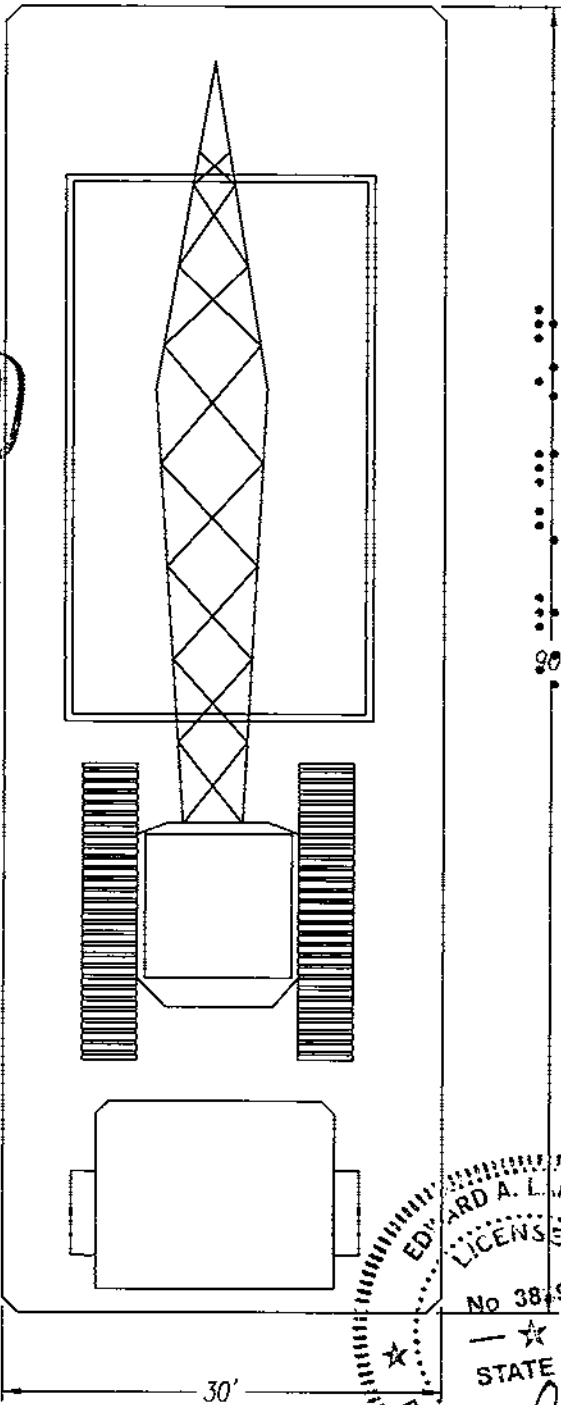
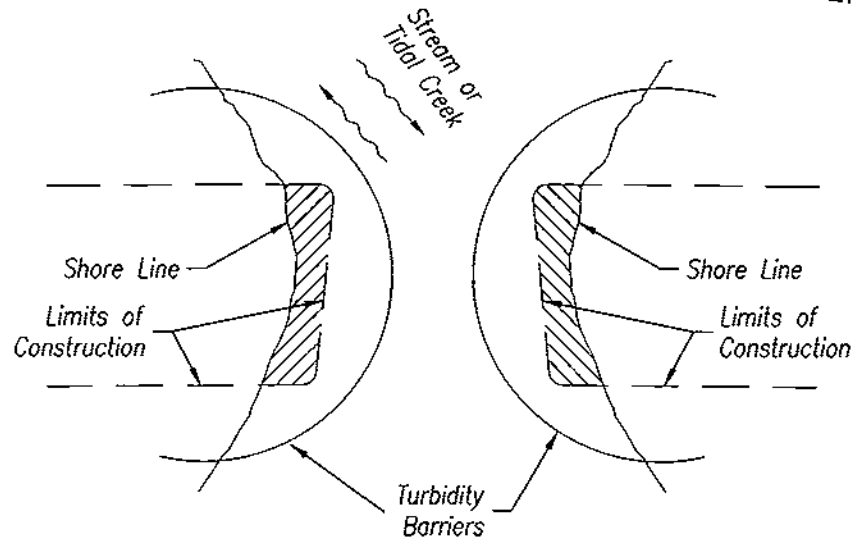
CANAL

Construction Barge



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DEPARTMENT OF REGULATORY
AND ECONOMIC RESOURCES



NOTES:

1. Turbidity barriers are to be used in all permanent bodies of water regardless of water depth.
2. Number and spacing of anchors dependent on current velocities.
3. Deployment of barrier around pile locations may vary to accommodate construction operations.
4. Navigation may require segmenting barrier during construction operations.
5. For additional information see Section 104 of the Standard Specifications.

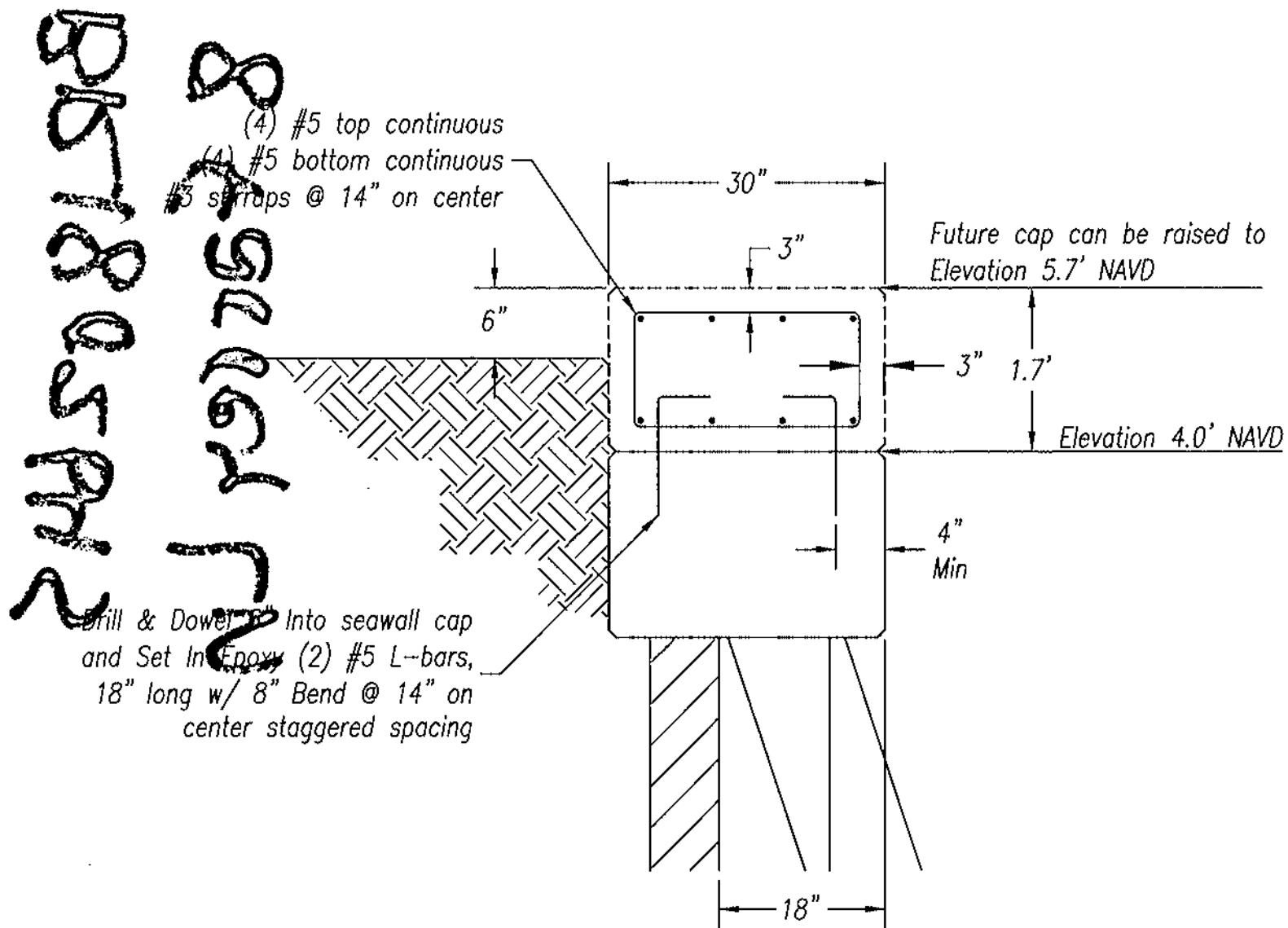
NOTE:

Turbidity barriers for flowing streams and tidal creeks may be either floating, or staked types or any combinations of types that will suit site conditions and meet erosion control and water quality requirements. The barrier type(s) will be at the Contractor's option unless otherwise specified in the plans, however payment will be under the pay item(s) established in the plans for Floating Turbidity Barrier and/or Staked Turbidity Barrier. Posts in staked turbidity barriers to be installed in vertical position unless otherwise directed by the Engineer of Record.

RER - NATURAL RESOURCES DIVISION
PRELIMINARY APPROVAL
NAME Michael...
DATE 10/29/18

TURBIDITY BARRIER APPLICATIONS

CMB
10.29.18



Future Cap Detail

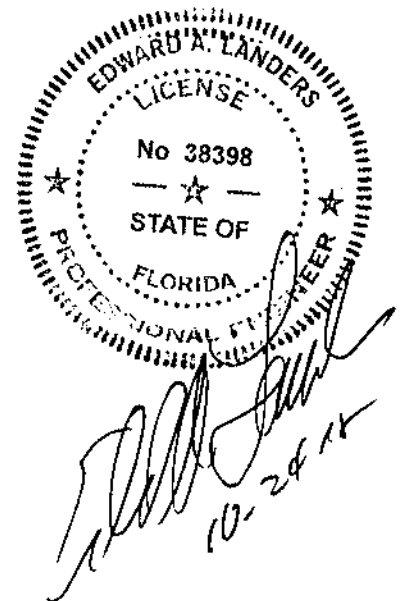
Scale: 1/2" = 1'-0"

Structural Note:

Engineer of record certifies that the existing seawall as constructed can be elevated to 7.26' NGVD (3.98' NAVD)

ENGINEERS NOTE:

The foundation of the seawall has been designed to structurally account for the construction of a wall with a top of cap elevation of up to 5.7' NAVD



Dock/Seawall Repair

Steven & Jessica Farrey
8 Farrey Lane
Miami Beach, Florida 33139

Edward A Landers PE Inc
PE License # 038398
7850 NW 146 Street #509
Miami Lakes, Florida 33016
(305) 823-3938

Edward A Landers, P.E.

DSN	DWN
WRT	
DATE 12.24.2017	
PLOT 32	
DWG No. 8 FL New Seawall	
DIRECTORY MM\Seawalls	
Sheet 3	

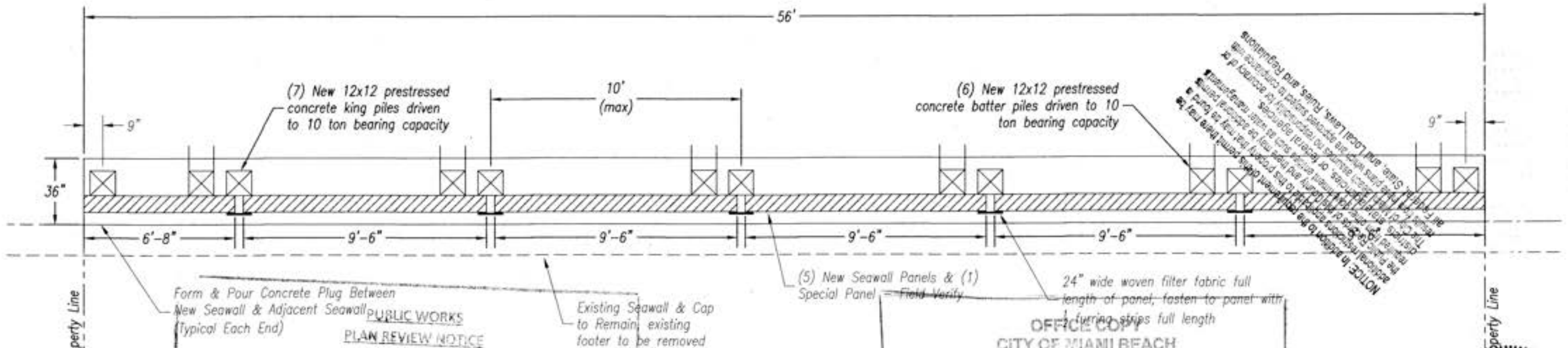
BR1802645
8 Farrey Ln

0207
0207

RV1911812

1	12.26.2019	Changes per contractor
REVISIONS		

City of Miami Beach
Environment & Sustainability
Approved Plans
 By: AK Date: 1/6/20



PUBLIC WORKS
PLAN REVIEW NOTICE

Phone 305-673-7060 Fax 305-673-7023

THIS PLAN REVIEW CONSTITUTES APPROVAL FOR OBTAINING BUILDING PERMITS ONLY.

All work, materials and equipment are to be retained within private property.

All construction and use of equipment in the right of way section, streets and sidewalks will require a separate Public Works Department permit PRIOR TO START OF CONSTRUCTION.

Prior to start any excavation in the right of way, you must contact Sunshine State One Call of Florida (305) 421-4712, later than 48 hours prior to the excavation, you cannot start the work if the utilities have not been located at the job site.

Lay-Out for Seawall
 Scale: 1/4" = 1'-0"

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

[Signature] 12/30/19
[Signature] 12-30-19 K/A

[Signature] 12/30/19
 VF 12-30-19

BUILDING
 TONING
 PLUMBING
 ELECTRICAL
 MECHANICAL
 FIRE PREVENTION
 LOAD
 PUBLIC WORKS
 STRUCTURAL
 ELEVATOR
 ROOFING



CITY OF MIAMI BEACH
URBAN FORESTRY DIVISION
APPROVED PLANS
TREE PERMIT # 12-30-19
 BY: *[Signature]* 1/7/20

Dock/Seawall Repair
 Steven & Jessica Rhodes
 8 Farrey Lane
 Miami Beach, Florida 33139

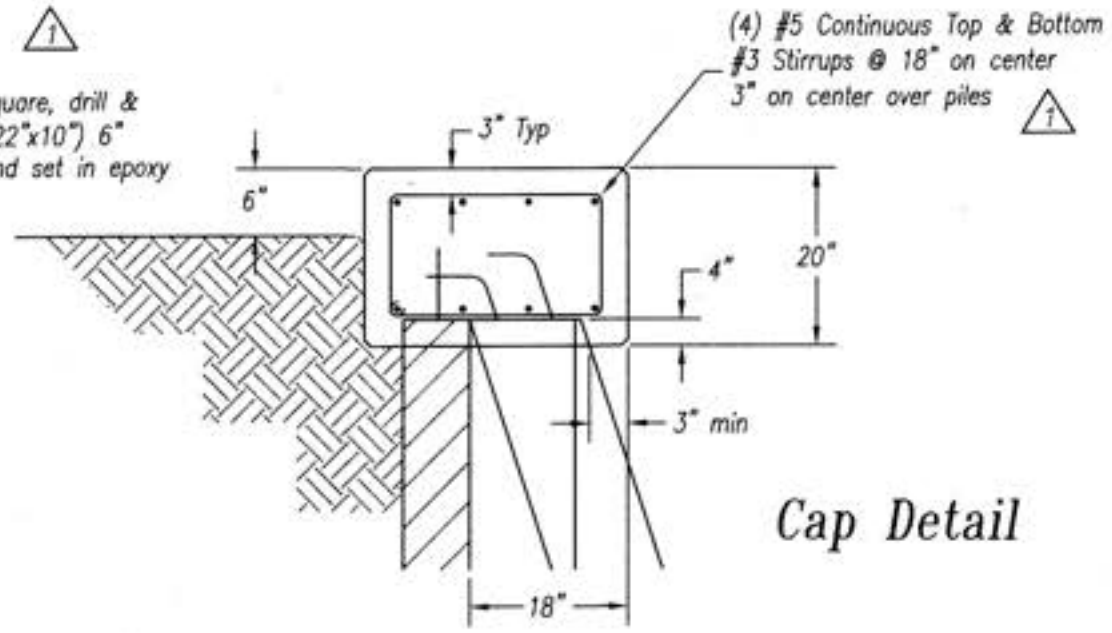
Edward A Landers PE Inc
 PE License # 038398
 7850 NW 148 Street #509
 Miami Lakes, Florida 33016
 (305) 823-3938

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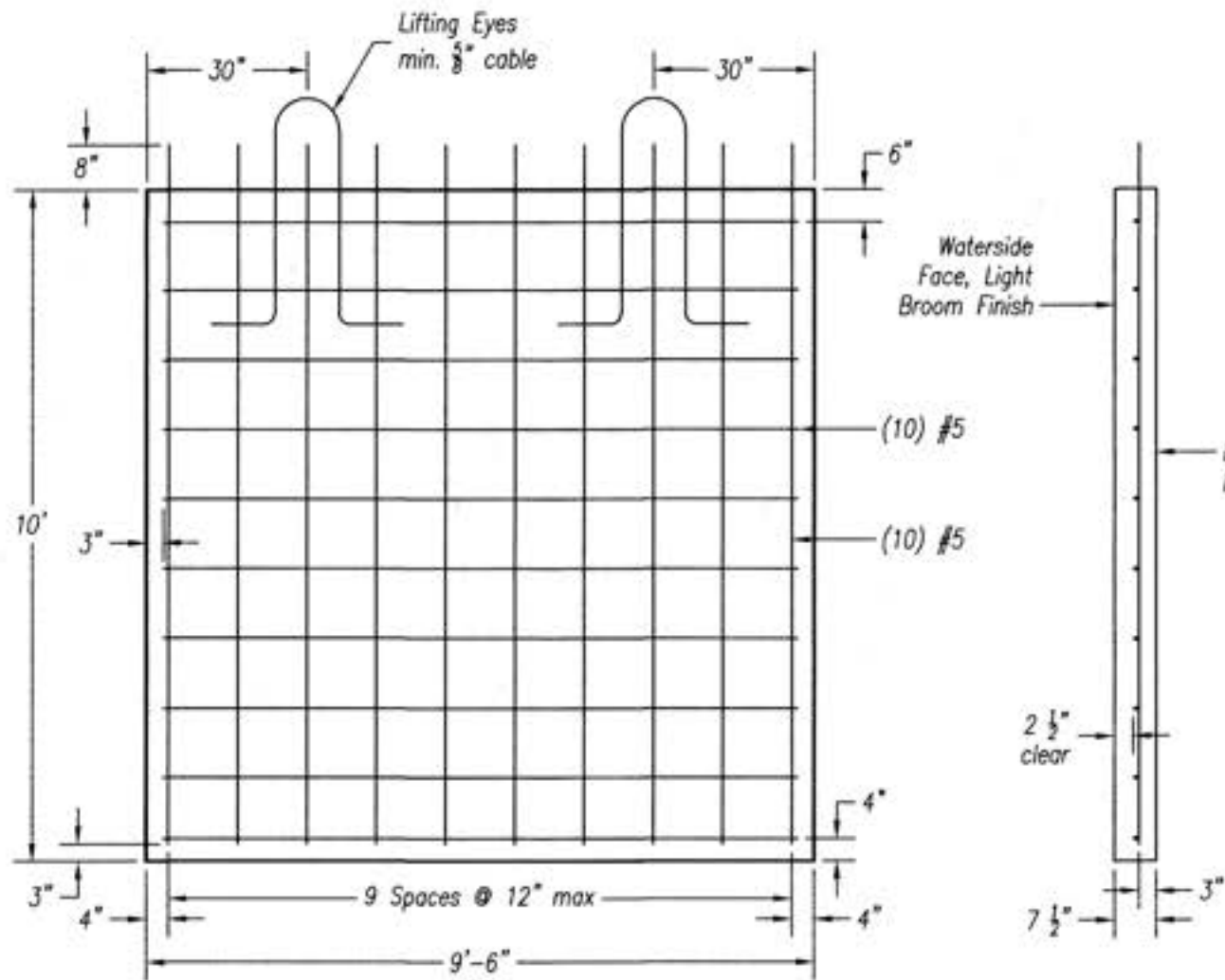
DSN	OWN
WRT	
DATE	12.24.2017
PLOT	48
DWG No.	8 FL SW 48
DIRECTORY	MM/Seawall
Sheet	2

PILE NOTE: 

Cut piles square, drill & dowel #7 (22"x10") 6" minimum and set in epoxy

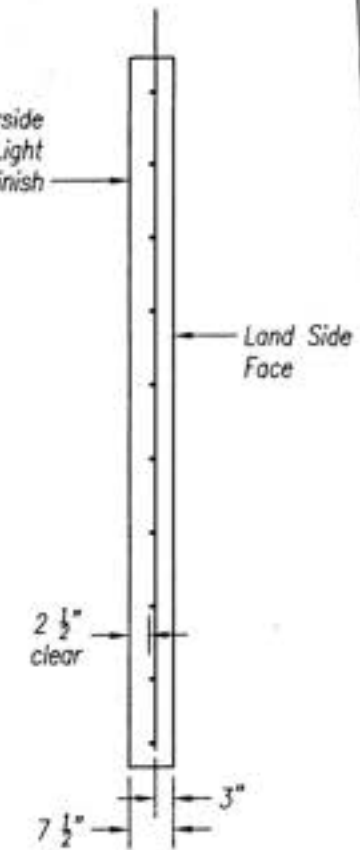


Cap Detail

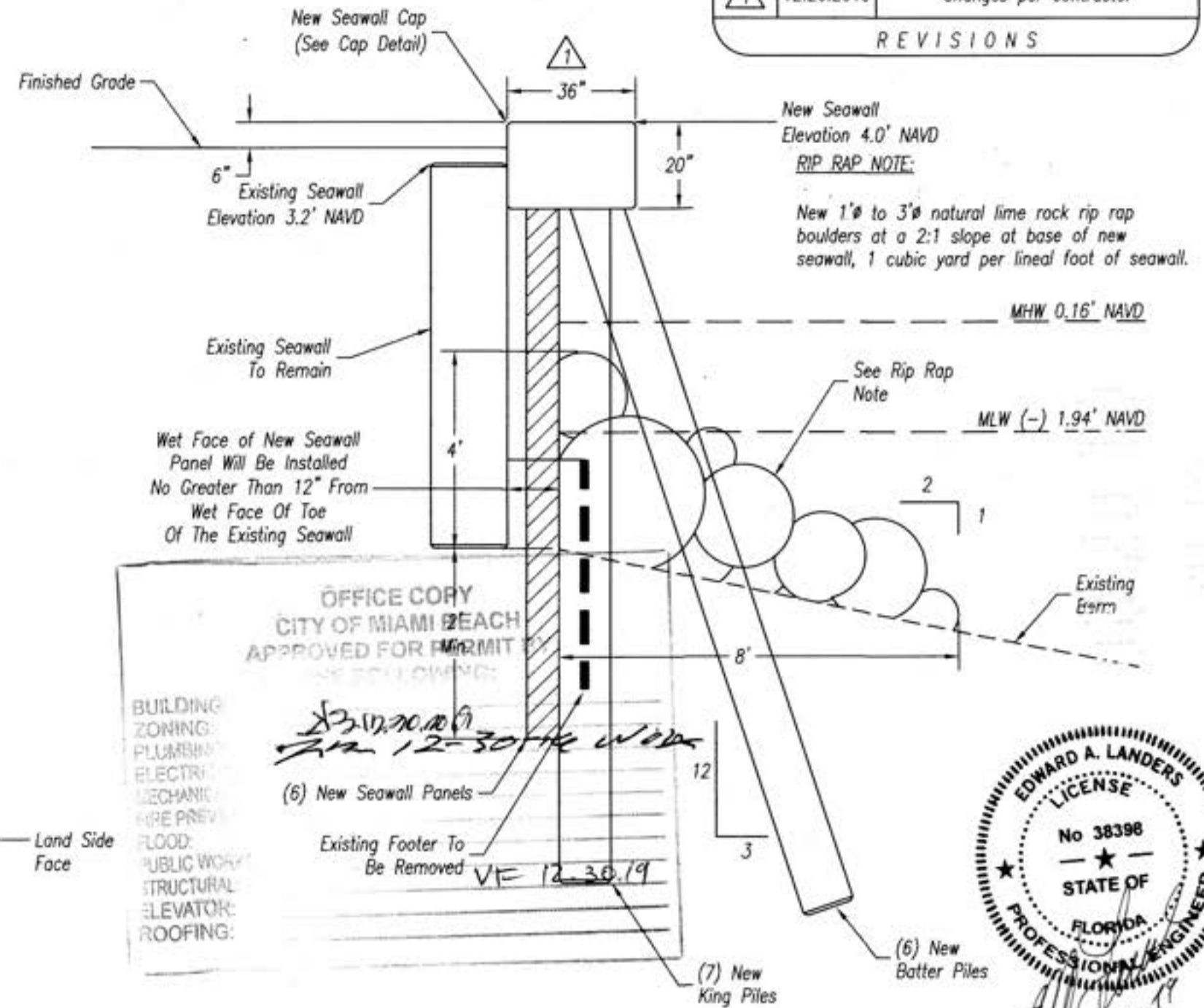


Panel Detail

Scale: 3/8" = 1'-0"



Typ. Section



Seawall Section

Scale: 3/8" = 1'-0"

Structural Note:

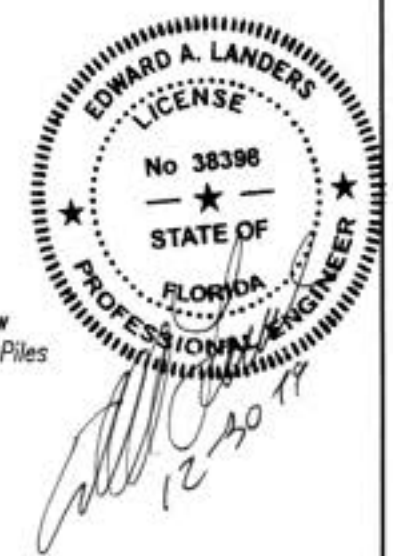
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ENGINEERS NOTE:

The foundation of the seawall has been designed to structurally account for the construction of a wall with a top of cap elevation of up to 5.7' NAVD

	12.26.2019	Changes per contractor
REVISIONS		

New Seawall Elevation 4.0' NAVD
RIP RAP NOTE:
New 1' to 3' natural lime rock rip rap boulders at a 2:1 slope at base of new seawall, 1 cubic yard per lineal foot of seawall.

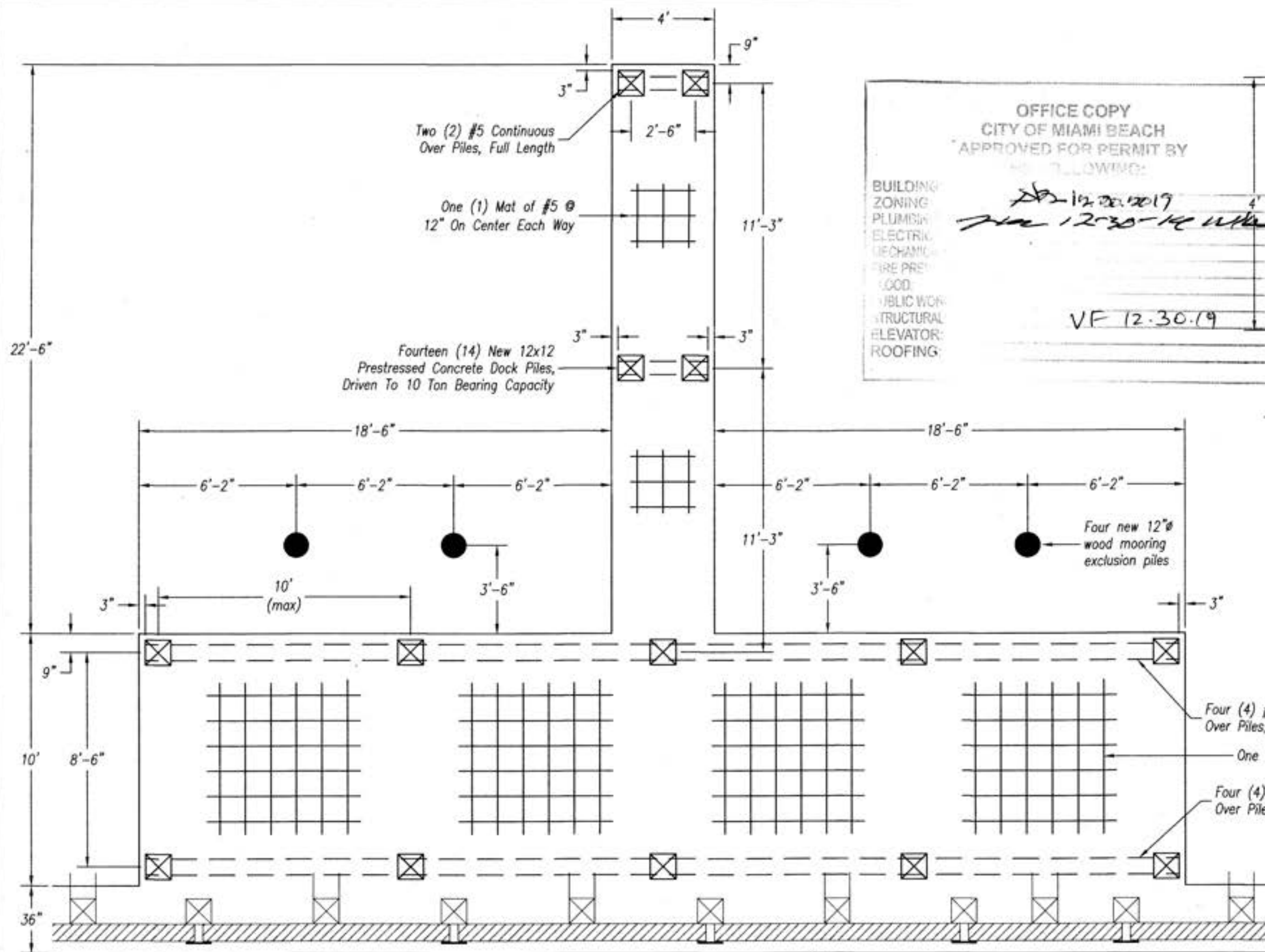


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Steven & Jessica Farrey
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Miami Beach, Florida 33139

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7850 NW 146 Street #509
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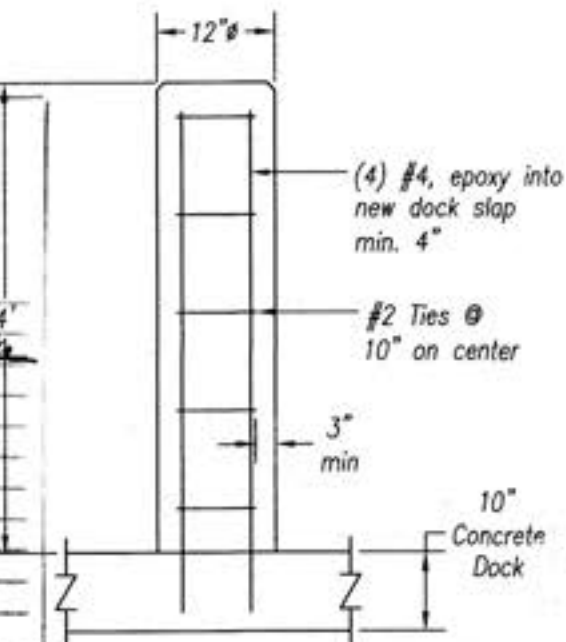
Edward A Landers, P.E.

DSR	OWN
WRT	
DATE	12.24.2017
PLOT	32
DWG No.	9 FL New Seawall
DIRECTORY	MM/Seawall
Sheet	3



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DATE: 12-30-19
VF 12-30-19

BUILDING
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PUBLIC WORKS
STRUCTURAL
ELEVATOR
ROOFING

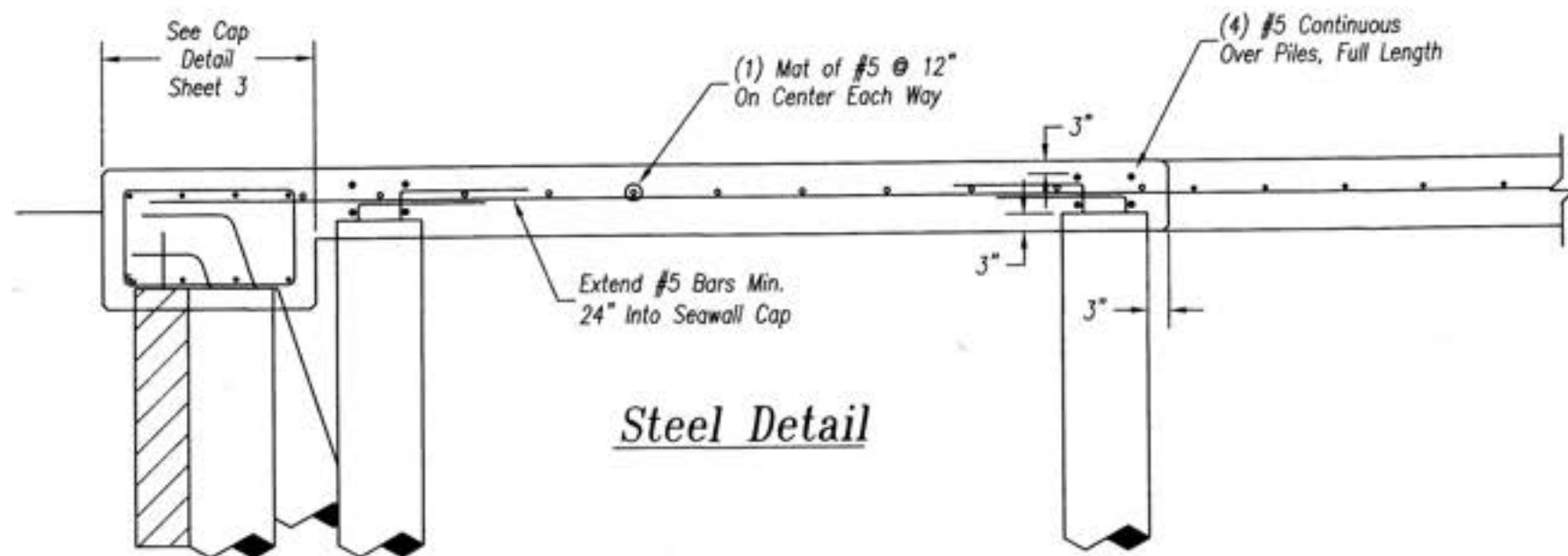


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Steven & Jessica Rhodes
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Miami Beach, Florida 33139

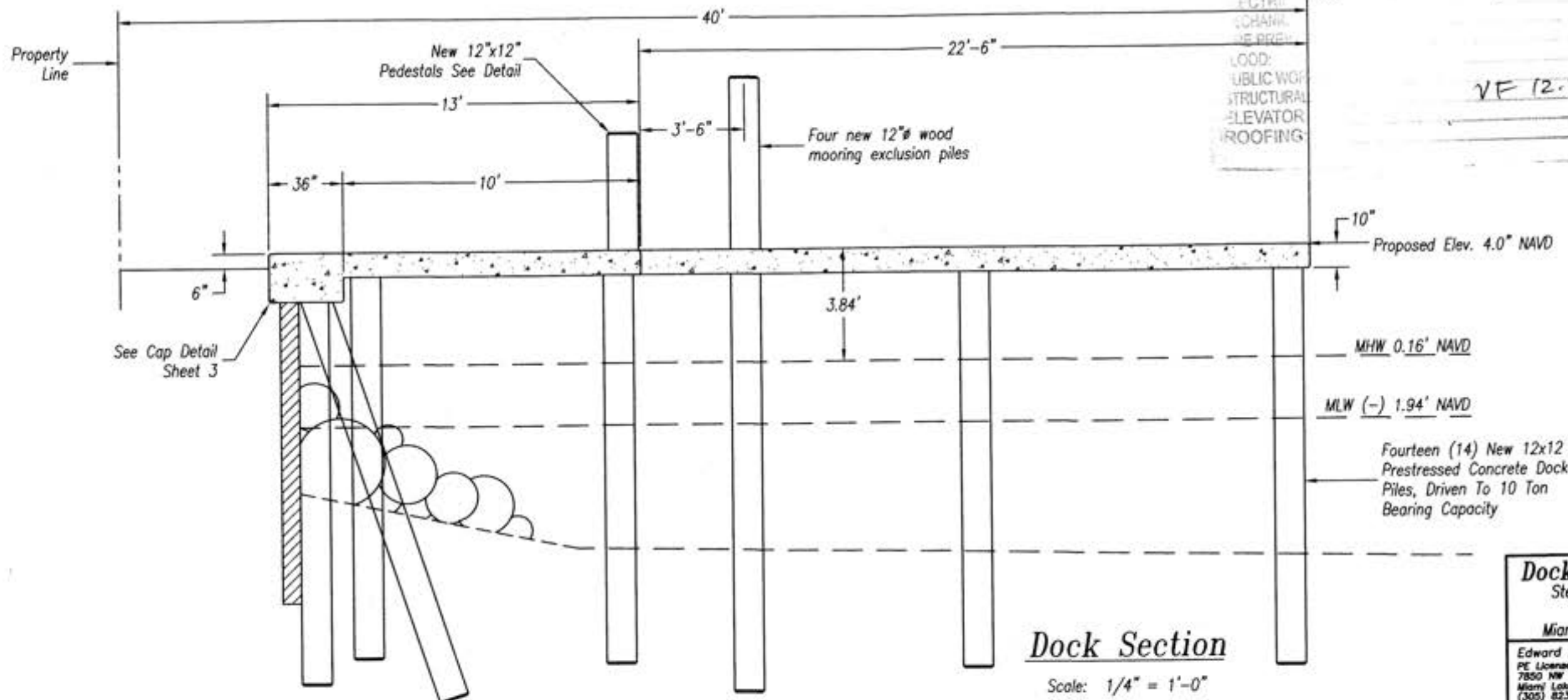
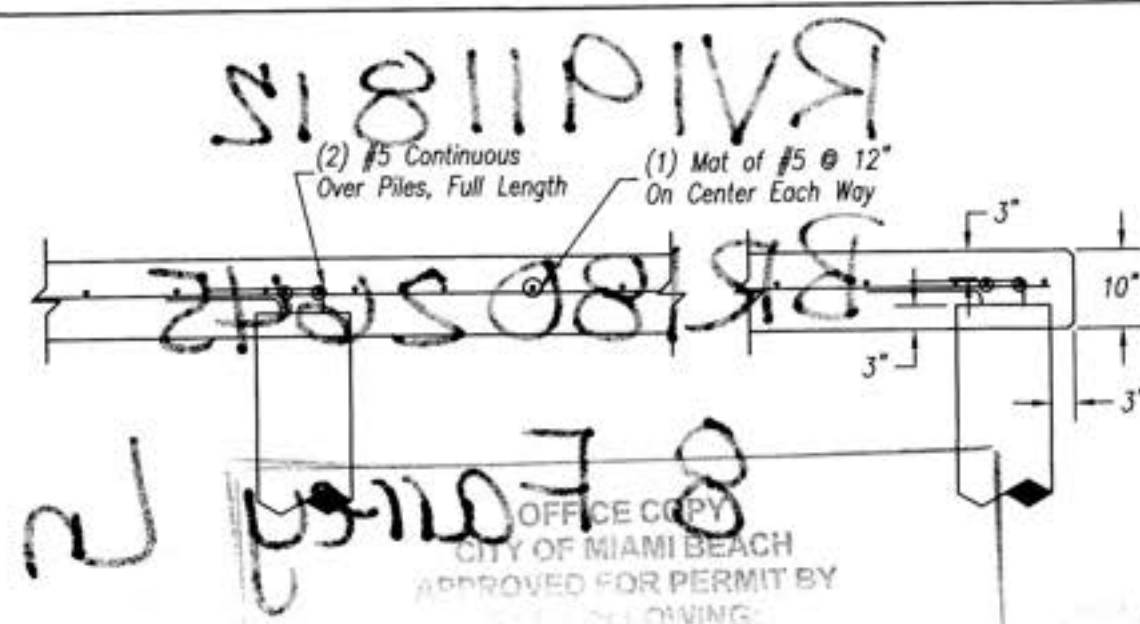
Edward A Landers PE Inc
PE License # 038398
7850 NW 145 Street #509
Miami Lakes, Florida 33016
(305) 823-3938

Edward A Landers, P.E.

DSR WRT	DWN
DATE 12-24-2017	PLOT 48
DWG No. 8 FL SW 48	DIRECTORY MM/Seawall
Sheet 4	



Steel Detail



Dock Section

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



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Edward A Landers, P.E.

DSN	DWN
WRT	
DATE	
12.24.2017	
PLAT	
48	
DWG No.	
8 FL SW 48	
DIRECTORY	
MW/Seawall	
Sheet 5	

RV1911812

BR1802645

8 Farrey Ln



General Sediment and Erosion Control Notes

1. The contractor is responsible for following the best erosion and sediment control practices as outlined in the plans, specification, applicable permit(s), and the prevention, correction, control, and abatement of erosion and water pollution in accordance with chapter 62-302, Florida Administrative Code.
2. Erosion and sediment control barriers shall be placed where there is potential for downstream water quality degradation.
3. The site contractor is responsible for removing the temporary erosion and sediment control devices after completion of construction and only when areas have been stabilized.
4. The site contractor is responsible for the maintenance of BMPs to make sure they are functioning as designed at all times.
5. The BMP structures shall be inspected after each rain and repairs made as needed. Sediment deposits should be removed after each rainfall. They must be removed when the level of deposition reaches approximately one-half the height of the barrier.
6. Correctly installed silt fences will be used along the limits of construction to minimize offsite siltation migration.
7. Sod shall be placed in areas which may require immediate erosion protection to ensure water quality standards are maintained and where no active construction is occurring.
8. The contractor shall pay for any water quality control violations from any agency that results in fines being assessed to the owner because of the contractor's failure to eliminate turbid runoff from leaving the site and raising background levels of turbidity above existing background levels.

Inlet Protection

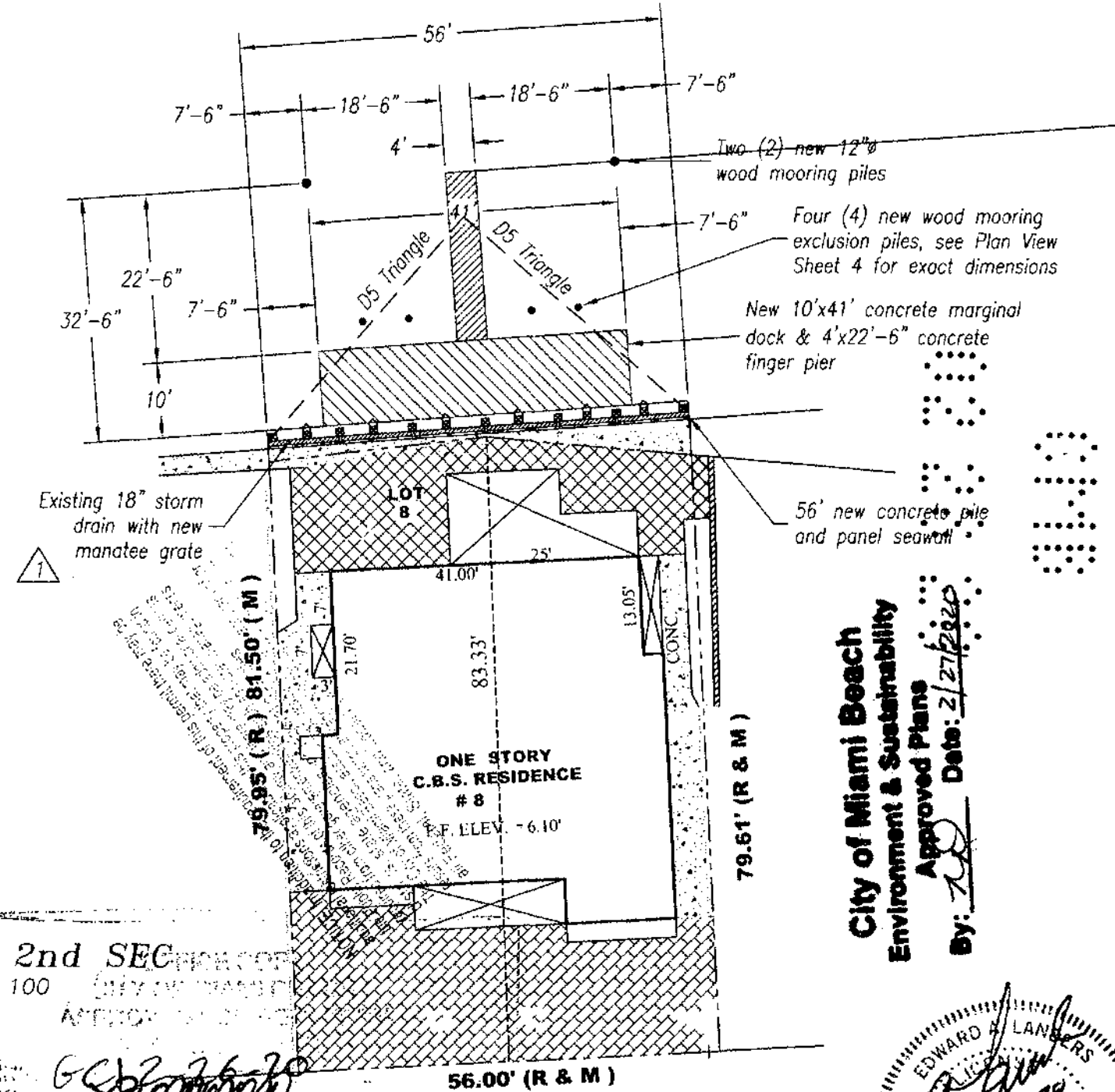
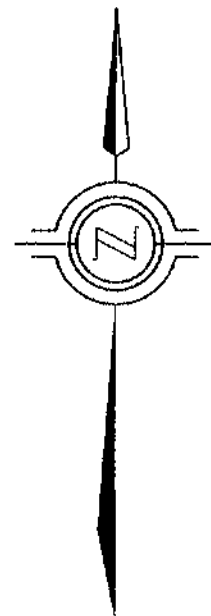
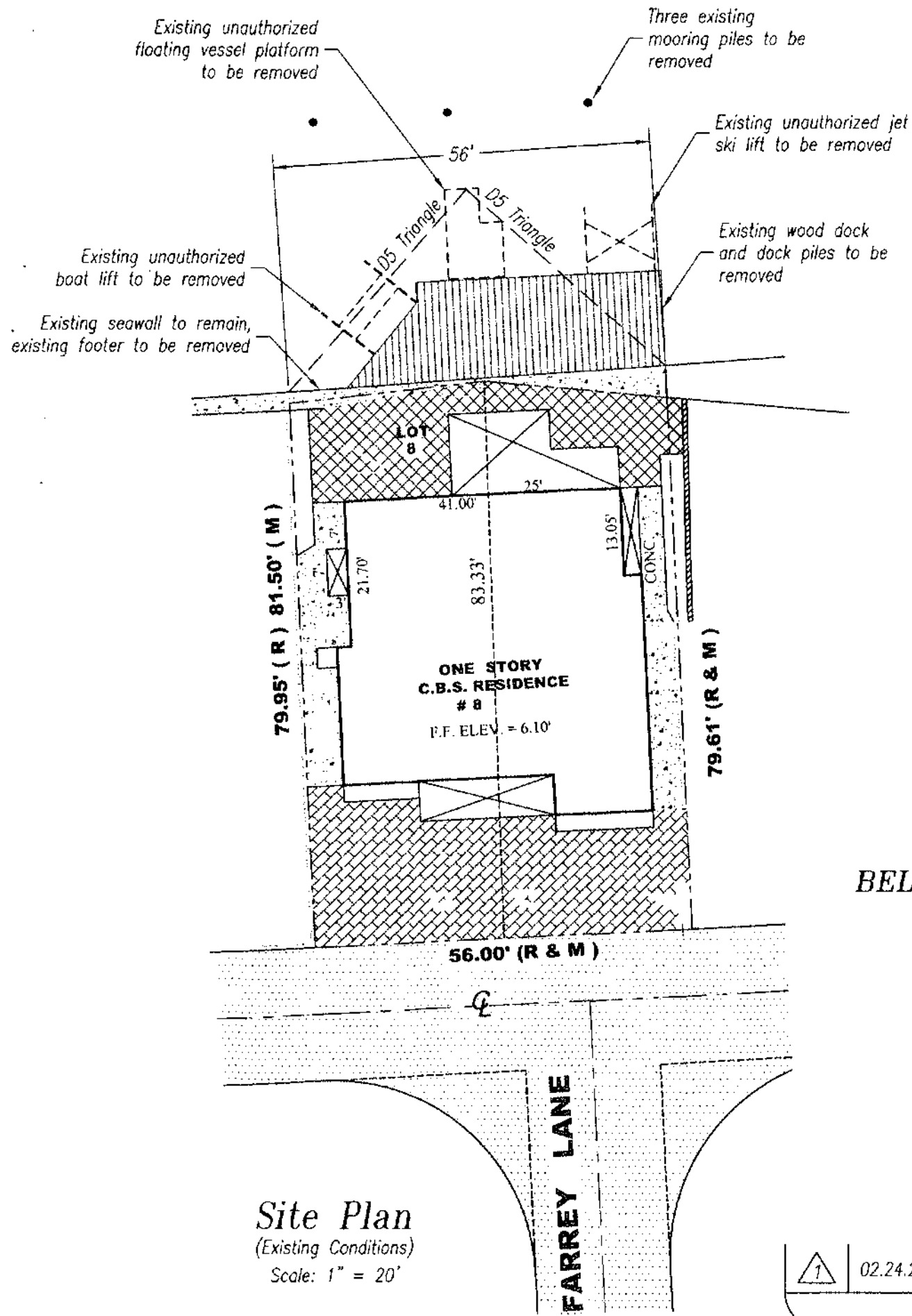
9. Wire mesh shall be laid over the top drop inlet so that the wire extends a minimum of 1 foot beyond each side of the inlet structure. Hardware cloth or comparable wire mesh with $\frac{1}{2}$ - inch opening shall be used. If more than one strip of mesh is necessary the strips shall be overlapped.
10. FDOT NO. 1 coarse aggregate shall be placed over the wire mesh as indicated on detail. The depth of stone shall be at least 12 inches over the entire inlet opening. The stone shall extend beyond the inlet opening at least 18 inches on all sides.
11. If the stone filter becomes clogged with sediment so that it no longer adequately performs its function, the stone must be pulled away from the inlet, cleaned and replaced.
12. The filter barrier shall be entrenched and backfilled. A trench shall be excavated around the inlet and width of a bale to a minimum depth of four inches. After the bales are stacked, the excavated soil shall be backfilled and compacted against the filter barrier.
13. Bale shall be either wire-bound or string-tied with the bindings oriented around the sides rather than over and under the bales.
14. Bales shall be placed lengthwise in single row surrounding the inlet with the ends of adjacent bales pressed together.
15. Each bale shall be securely anchored and held in place by at least two stakes or rebars driven through the bale.
16. Loose straw should be wedged between bales to prevent water from entering between bales.

Turbidity Barriers

17. Floating turbidity barriers will be placed at all outfall locations connected to the work area during active construction. If seagrasses are present barriers will not be placed over them. The floating turbidity barriers shall be installed in a manner to prevent manatee entanglement.
18. Turbidity barriers to be marked with site contractor's company name and phone number using permanent markings no smaller than 3 inches in height on the top of the barrier.

EROSION AND SEDIMENT CONTROL GENERAL NOTES
N.T.S.

Rv 2012205



Lot 8

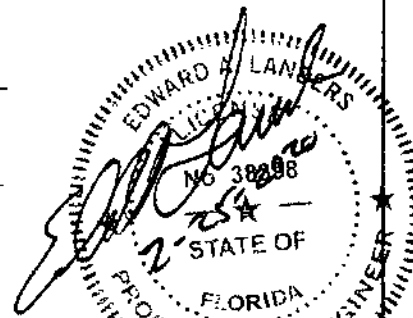
BELLE ISLE VILLAS 2nd SECTION

Plat Book 42 Page 100

Dade County

Florida

City of Miami Beach
Environment & Sustainability
Approved Plans
By: [Signature]
Date: 2/27/2020



1	02.24.2020	Added Manatee Grate
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REVISIONS

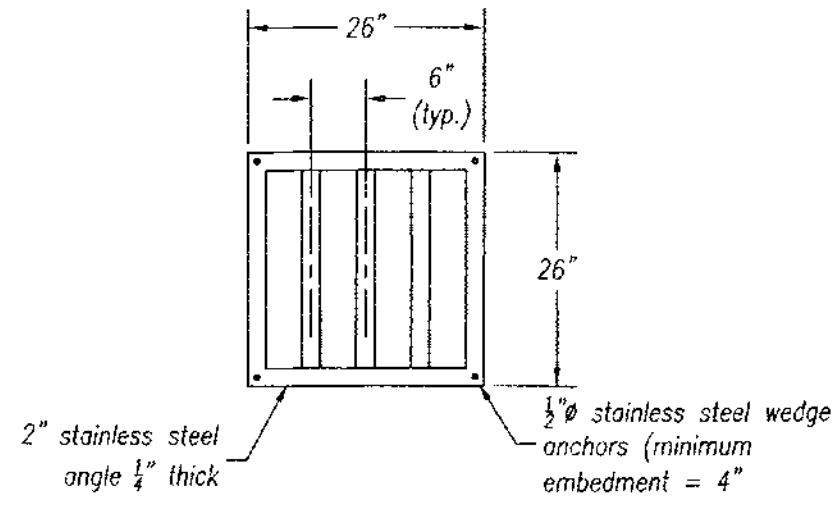
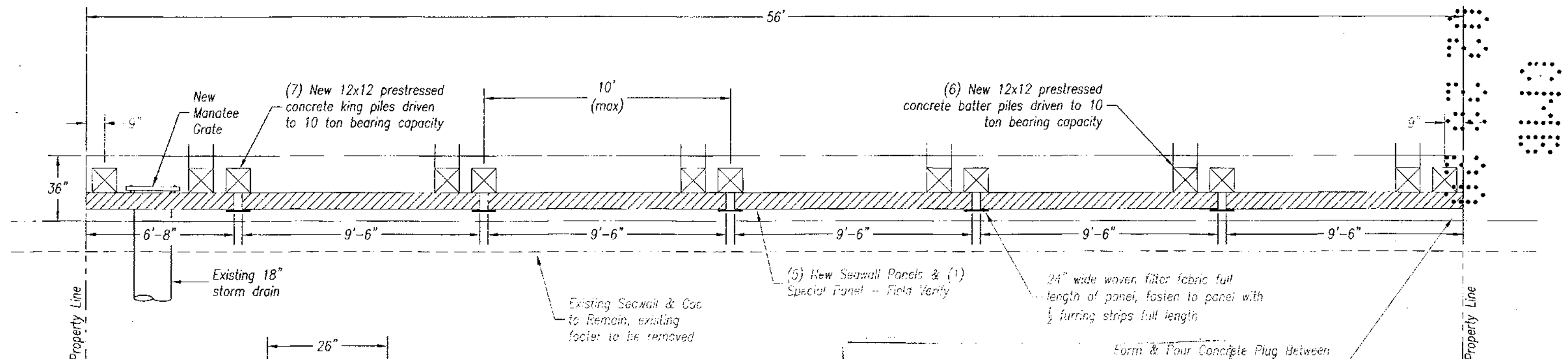
Dock/Seawall Repair
Steven & Jessica Rhodes
8 Farrey Lane
Miami Beach, Florida 33139

Edward A Landers PE Inc
PE License # 038398
7850 NW 146 Street #509
Miami Lakes, Florida 33016
(305) 823-3938

Edward A Landers, P.E.

DATE	12.24.2017
PLOT	240
DWG No.	8 FL SP 240
DIRECTORY	MM/Docks
Sheet	1

3	02.24.2020	Added Manatee Grate
2	02.16.2020	Changes per contractor
1	12.26.2019	Changes per contractor
REVISIONS		



Manatee Grate

Lay-Out for Seawall

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

38398
 STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER

Edward A. Landers
 PE License # 038398
 7850 NW 146 Street #509
 Miami Lakes, Florida 33016
 (305) 823-3938

Dock/Seawall Repair

Steven & Jessica Rhodes

8 Farrey Lane

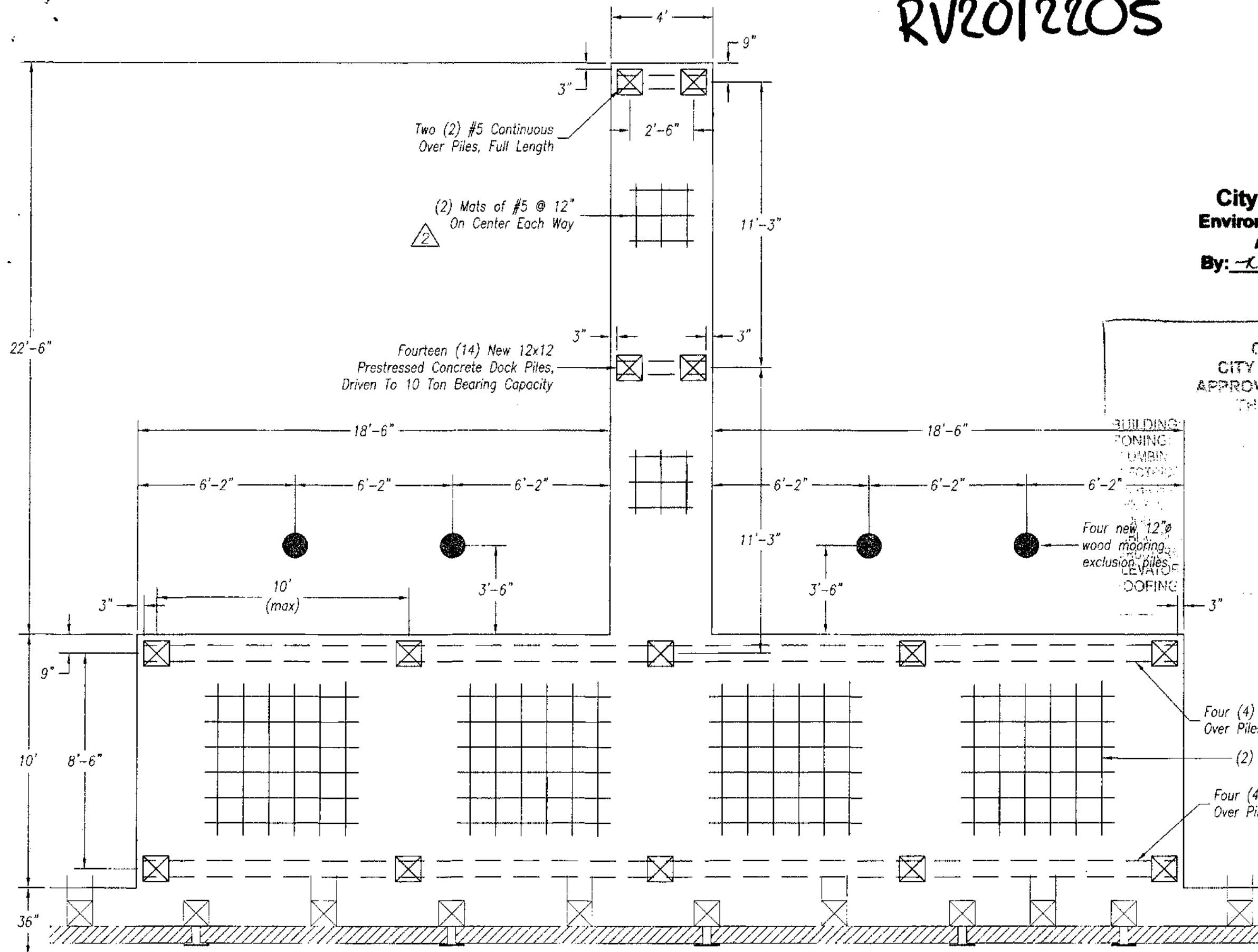
Miami Beach, Florida 33139

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 PE License # 038398
 7850 NW 146 Street #509
 Miami Lakes, Florida 33016
 (305) 823-3938

RV201220S

2	02.16.2020	Changes per contractor
1	12.26.2019	Changes per contractor
REVISIONS		

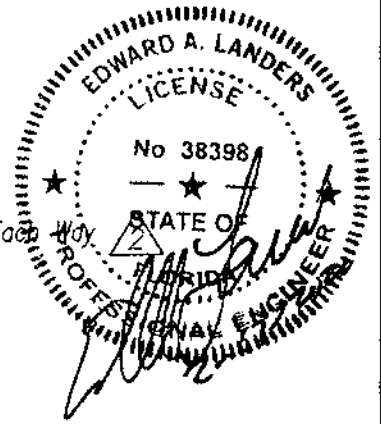
City of Miami Beach
Environment & Sustainability
Approved Plans
 By: ED Date: 2/19/2020



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

2/18/20 Ed Landers

VF 2.18.20



Dock/Seawall Repair
 Steven & Jessica Rhodes
 8 Farrey Lane
 Miami Beach, Florida 33139

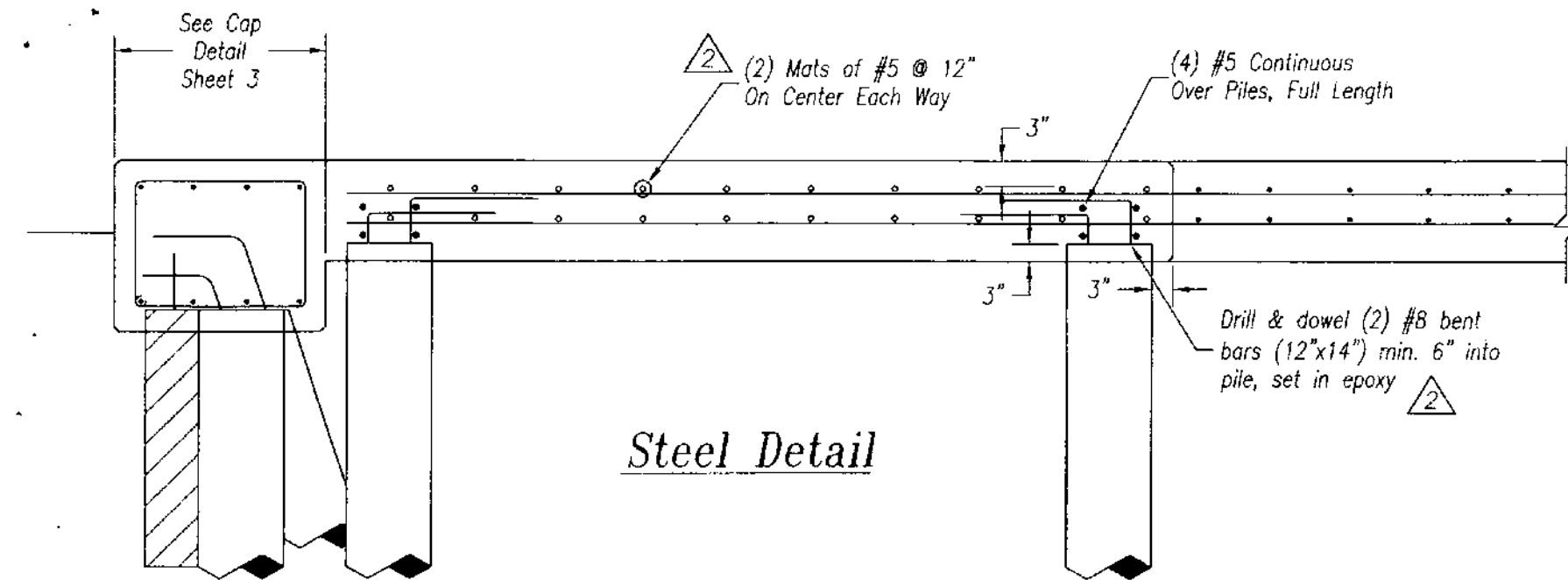
Edward A Landers PE Inc
 PE License # 038398
 7850 NW 146 Street #509
 Miami Lakes, Florida 33016
 (305) 823-3938

Edward A Landers, P.E.

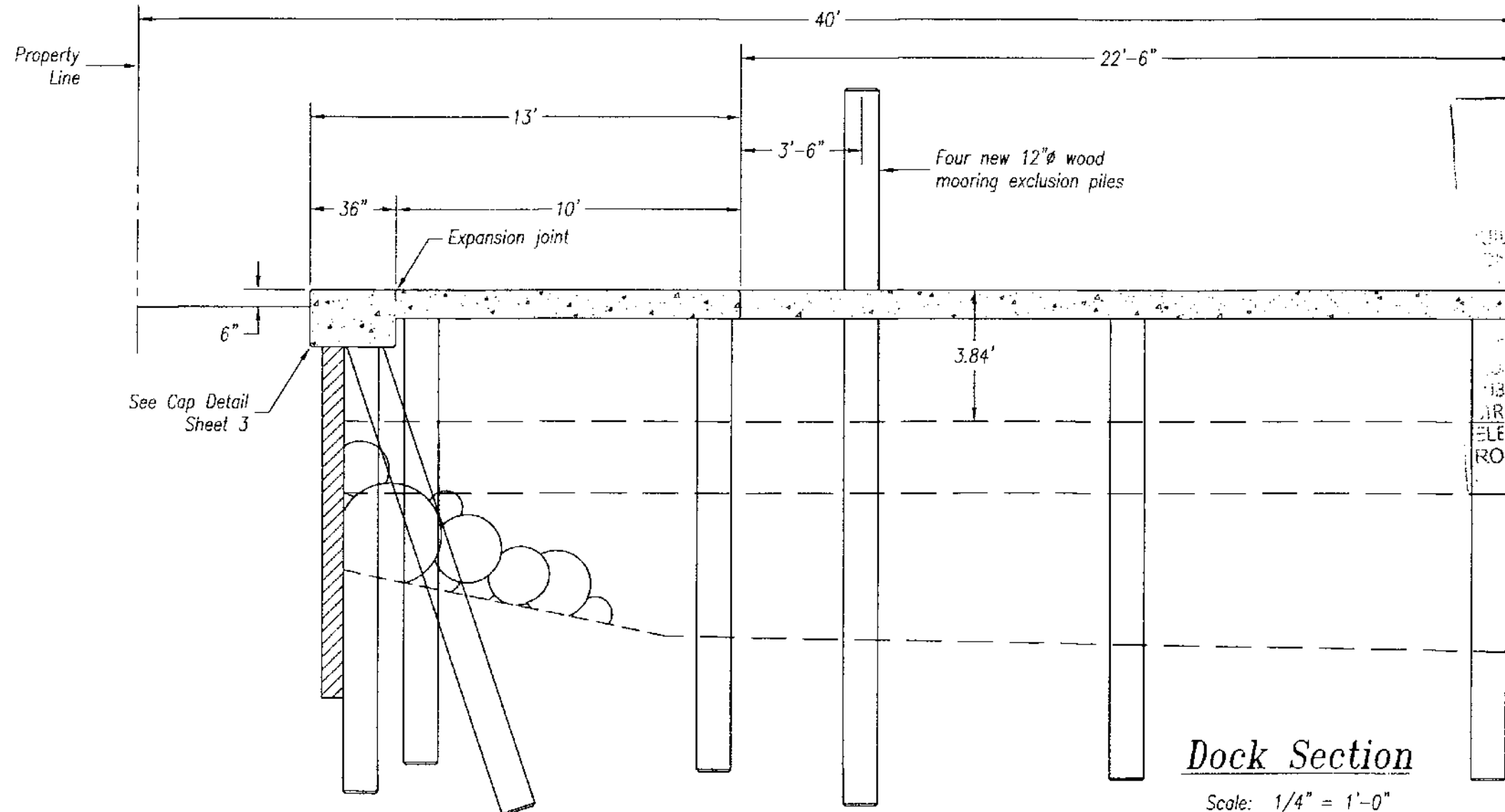
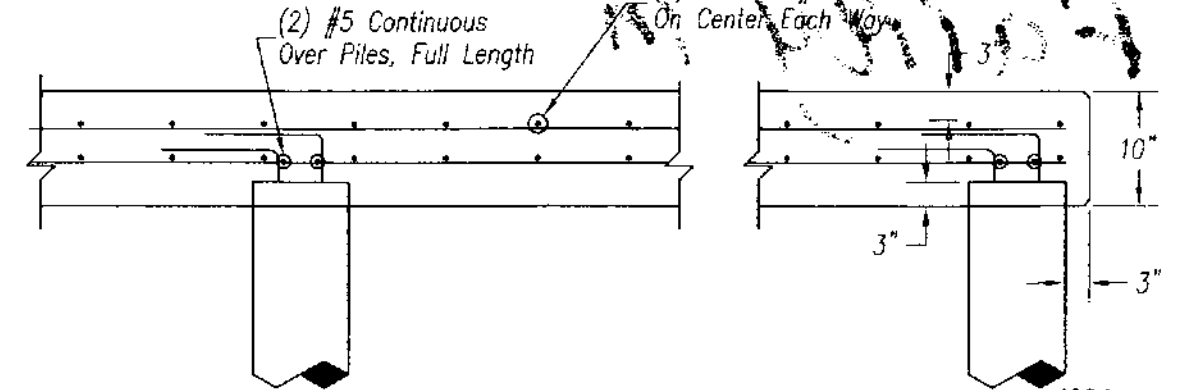
DSN	DWN
WRT	
DATE	12.24.2017
PLOT	48
DWG No.	8 FL SW 48
DIRECTORY	MM/Seawalls
Sheet	4

Plan View
 Scale: 1/4" = 1'-0"

See Lay-Out for Seawall



Steel Detail



Dock Section

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

2	02.16.2020	Changes per contractor
1	12.26.2019	Changes per contractor

REVISIONS

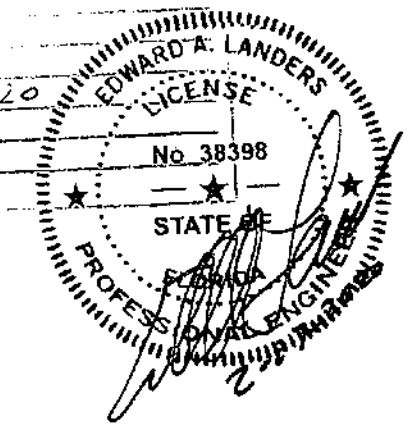
OFFICE COPY
CITY OF MIAMI BEACH
FOR PERMIT BY

Signature

Proposed Elev. 4.0' NAVD

STRUCTURE MHW 0.16' NAVD
ELEVATION
ROOFING
MLW (-) 1.94' NAVD

Fourteen (14) New 12x12
Prestressed Concrete Dock
Piles, Driven To 10 Ton
Bearing Capacity



Dock/Seawall Repair
Steven & Jessica Rhodes
8 Farrey Lane
Miami Beach, Florida 33139

Edward A Landers PE Inc
PE License # 038398
7850 NW 146 Street #509
Miami Lakes, Florida 33016
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DSN	DWN
WRT	
DATE	12.24.2017
PLGT	48
DWG No.	8 FL SW 48
DIRECTORY	MM Seawalls
Sheet	5

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

[illegible]

General Sediment and Erosion Control Notes

1. The contractor is responsible for following the best erosion and sediment control practices as outlined in the plans, specification, applicable permit(s), and the prevention, correction, control, and abatement of erosion and water pollution in accordance with chapter 62-302, Florida Administrative Code.
2. Erosion and sediment control barriers shall be placed where there is potential for downstream water quality degradation.
3. The site contractor is responsible for removing the temporary erosion and sediment control devices after completion of construction and only when areas have been stabilized.
4. The site contractor is responsible for the maintenance of BMPs to make sure they are functioning as designed at all times.
5. The BMP structures shall be inspected after each rain and repairs made as needed. Sediment deposits should be removed after each rainfall. They must be removed when the level of deposition reaches approximately one-half the height of the barrier.
6. Correctly installed silt fences will be used along the limits of construction to minimize offsite siltation migration.
7. Sod shall be placed in areas which may require immediate erosion protection to ensure water quality standards are maintained and where no active construction is occurring.
8. The contractor shall pay for any water quality control violations from any agency that results in fines being assessed to the owner because of the contractor's failure to eliminate turbid runoff from leaving the site and raising background levels of turbidity above existing background levels.

Inlet Protection

9. Wire mesh shall be laid over the top drop inlet so that the wire extends a minimum of 1 foot beyond each side of the inlet structure. Hardware cloth or comparable wire mesh with $\frac{1}{2}$ - inch opening shall be used. If more than one strip of mesh is necessary the strips shall be overlapped.
10. FDOT NO. 1 coarse aggregate shall be placed over the wire mesh as indicated on detail. The depth of stone shall be at least 12 inches over the entire inlet opening. The stone shall extend beyond the inlet opening at least 18 inches on all sides.
11. If the stone filter becomes clogged with sediment so that it no longer adequately performs its function, the stone must be pulled away from the inlet, cleaned and replaced.
12. The filter barrier shall be entrenched and backfilled. A trench shall be excavated around the inlet and width of a bale to a minimum depth of four inches. After the bales are stacked, the excavated soil shall be backfilled and compacted against the filter barrier.
13. Bale shall be either wire-bound or string-tied with the bindings oriented around the sides rather than over and under the bales.
14. Bales shall be placed lengthwise in single row surrounding the inlet with the ends of adjacent bales pressed together.
15. Each bale shall be securely anchored and held in place by at least two stakes or rebars driven through the bale.
16. Loose straw should be wedged between bales to prevent water from entering between bales.

Turbidity Barriers

17. Floating turbidity barriers will be placed at all outfall locations connected to the work area during active construction. If seagrasses are present barriers will not be placed over them. The floating turbidity barriers shall be installed in a manner to prevent manatee entanglement.
18. Turbidity barriers to be marked with site contractor's company name and phone number using permanent markings no smaller than 3 inches in height on the top of the barrier.

EROSION AND SEDIMENT CONTROL GENERAL NOTES
N.T.S.

Permit History Report - Energov

Total # of Permits: 7

| Permit Number | Description | Address | Parcel |
|---------------|---|-------------|---------------|
| BR1802645 | Install new sea wall and dock. | 8 FARREY LN | 0232330030080 |
| BR1903201 | INTERIOR REMODEL OF EXISTING SFR | 8 FARREY LN | 0232330030080 |
| BR31900004 | New 3 story single family residence. Elevator | 8 FARREY LN | 0232330030080 |
| BRR2108910 | PLANS FOR SEAWALL DOCK PERMIT. | 8 FARREY LN | 0232330030080 |
| ELR1600415 | FPL Service Rewire | 8 FARREY LN | 0232330030080 |
| RV1911812 | BR1802645--- MAKING SEAWALL CAP WIDER | 8 FARREY LN | 0232330030080 |
| RV2012205 | BR1802645/ Revision to add steal to dock | 8 FARREY LN | 0232330030080 |

| Permit Status | Apply Date | Issue Date | Permit Type | Work Type |
|---------------|------------|------------|---------------------------------|-------------------------|
| Finaled | 9/28/2018 | 5/8/2019 | Building - Residential | Marine |
| Abandon | 5/3/2019 | | Building - Residential | Alteration (w/o Phased) |
| Void | 2/28/2019 | | Building Residential, 3 Stories | New |
| Closed | 7/12/2021 | | Building – Records Requests | Records Requests |
| Finaled | 12/1/2016 | 12/1/2016 | Electrical - Residential | Alteration |
| Finaled | 12/30/2019 | 1/7/2020 | Revision | General |
| Finaled | 2/18/2020 | 2/28/2020 | Revision | General |

| Square Ft | Valuation |
|-----------|-----------|
| 0 | 85500.00 |
| 0 | 80000.00 |
| 4655 | 700000.00 |
| 0 | 0.00 |
| 0 | 2000.00 |
| 0 | 0.00 |
| 0 | 0.00 |

Permit History - PermitsPlus

Total Permits: 30

| Permit No | COMP TYPE | SUB TYPE | DESCRIPTION |
|------------|-----------|----------|--|
| BCC94003 | BCCOMP | OTH | ADD TO EXST RES:KTCHN,BDRM,FAM |
| BE111879 | BELEC | LOWVOLT | Install Burglar Alarm |
| BE921169 | BELEC | OTH | CENTRAL A/C UNIT |
| BE930255 | BELEC | ALT | OUTLETS,SERVICE,APPLS,A/C,LIGHT FIX |
| BM920895 | BMECH | ALT | REPLACE 3T SYS |
| BM930937 | BMECH | ALT | DTWK |
| BMS70379 | BMISC | OTH | BUILDING RESEARCH |
| BMS0404387 | BMISC | DOC HIST | FOUR MICROFILM COPIES |
| BMS0502115 | BMISC | DOC HIST | 2 MICRO |
| BMS30660 | BMISC | OTH | PLAN REVISION FEE BLDG P #B9200392 |
| BMS31308 | BMISC | OTH | PLANS REVISION PERMIT #B9200392 |
| BMS31403 | BMISC | OTH | PLANS REVISION PERMIT #B9200392 |
| BP920906 | BPLUM | OTH | NAT GAS PIPING W/HEATER |
| BP930414 | BPLUM | ALT | RENEW PL FIXTURES |
| B1105243 | BSBUILD | DRWNW | RENEW - B1101870-Replace windows and |
| B1101870 | BSBUILD | DRWNW | Replace windows and doors (19) openings. |
| B1004195 | BSBUILD | FENCE | BV10000835/Wood Fence (80LF) |
| BS922234 | BSBUILD | OTH | REPLACE WINDOWS & SLIDING |
| BS922235 | BSBUILD | OTH | 32 L.FT. WOOD FENCE & 2 GATES |
| BS932625 | BSBUILD | OTH | NEW ROOF/TILE CATEGORY #94 (SEE |
| BS941727 | BSBUILD | OTH | INSTALL ACCORDIONS SHUTTERS |
| BE111774 | BSUBELEC | ALTRMDL | B1101995//ELECTRICAL FOR KITCHEN |
| BP111199 | BSUBPLUM | ALTRMDL | B1101995/relocation of kitchen sink, |
| B1101995 | BUILD | ALTRMD | Relocate kitchen, change existing kitchen to |
| B9200392 | BUILD | ALT | ADD TO EXST RES:KTCHN,BDRM,FAM |
| BV10000835 | BVIO | STRUCT | NOTICE OF VIOLATION ISSUED FOR |
| CC951571 | CCOMPL | OTH | TRASH AT CORNER |
| XC14001815 | XC-COMP2 | COMPLNT | hotel pumping raw sewage into the bay |
| XC09001356 | XC-COMP2 | COMPLNT | GARBAGE IN FRONT OF HOUSE FOR |
| XC05002295 | XC-COMP2 | COMPLNT | RE: PLACES GARBAGE BAGS OUT |

| STATUS | APPLIED DATE | APPROVED DATE | EXPIRED/FINALED DATE | VAL TOTAL |
|----------|--------------|---------------|----------------------|-------------|
| APPROVED | 10/15/1993 | 10/15/1993 | 1/1/0001 | \$0.00 |
| VOID | 5/12/2011 | 5/12/2011 | 1/1/0001 | \$1,290.00 |
| CLOSED | 7/13/1992 | 7/13/1992 | 1/9/1993 | \$800.00 |
| FINAL | 12/8/1992 | 12/8/1992 | 4/12/1994 | \$7,500.00 |
| CLOSED | 7/6/1992 | 7/6/1992 | 1/18/1993 | \$1,200.00 |
| CLOSED | 6/28/1993 | 6/28/1993 | 4/11/1994 | \$1,000.00 |
| CLOSED | 12/12/1996 | 12/12/1996 | 1/1/0001 | \$0.00 |
| CLOSED | 8/25/2004 | 1/1/0001 | 1/1/0001 | \$0.00 |
| CLOSED | 3/2/2005 | 1/1/0001 | 1/1/0001 | \$0.00 |
| FINAL | 2/3/1993 | 2/4/1993 | 1/1/0001 | \$0.00 |
| FINAL | 5/19/1993 | 5/19/1993 | 1/1/0001 | \$0.00 |
| PENDING | 6/4/1993 | 1/1/0001 | 1/1/0001 | \$0.00 |
| CLOSED | 7/7/1992 | 7/7/1992 | 1/3/1993 | \$1,000.00 |
| FINAL | 2/24/1993 | 2/24/1993 | 4/12/1994 | \$2,500.00 |
| FINAL | 9/16/2011 | 9/27/2011 | 3/25/2012 | \$0.00 |
| CLOSED | 2/23/2011 | 2/28/2011 | 8/27/2011 | \$9,000.00 |
| FINAL | 8/3/2010 | 10/5/2010 | 4/16/2011 | \$800.00 |
| CLOSED | 7/24/1992 | 7/27/1992 | 8/30/1993 | \$2,200.00 |
| CLOSED | 7/24/1992 | 7/27/1992 | 1/23/1993 | \$250.00 |
| FINAL | 6/10/1993 | 6/10/1993 | 2/22/1994 | \$7,000.00 |
| CLOSED | 4/1/1994 | 4/6/1994 | 10/3/1994 | \$4,274.00 |
| FINAL | 5/3/2011 | 5/3/2011 | 3/25/2012 | \$1,950.00 |
| FINAL | 5/2/2011 | 5/2/2011 | 3/21/2012 | \$8,000.00 |
| FINAL | 3/3/2011 | 3/10/2011 | 3/25/2012 | \$12,000.00 |
| FINAL | 9/15/1992 | 11/30/1992 | 4/12/1994 | \$35,000.00 |
| CLOSED | 7/14/2010 | 7/15/2010 | 10/19/2010 | \$0.00 |
| CLOSED | 3/6/1995 | 3/6/1995 | 3/8/1995 | \$0.00 |
| INVALID | 12/9/2013 | 1/1/0001 | 12/9/2013 | \$0.00 |
| NOVIO-C | 3/9/2009 | 3/9/2009 | 3/25/2009 | \$0.00 |
| INVALID | 3/16/2005 | 1/1/0001 | 4/4/2005 | \$0.00 |

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