Owner CENTURY BUILDING CORP; Mailing Address | Permit No. 16457 | Cost $ 5,500:

Lot 8 Block | Subdivision BELLE ISLE a resub of Lots 37 & 38 | Address # 8 Farrey Lane

General Contractor Asme Building Corp 9804 | Bond No. 3001 | 3233-03-0080

Architect E. Dean Parmalee | Engineer

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.Pittard | 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

OUTLETS Switch 10 | Range | Motors | Fans | Temporary Service # 18289- S & S Elect Jan.9,1942

Light 8 | HEATERS Water

Receptacles 12 | Space | 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 7/17/79
#01904-Perfect Seal-Remove old windows and doors and install 13 units of old anodized windows-
#500-10-11-72

#28131 3/14/86 Gunite Const & Rentals pressure grout seawall $2,500.

Plumbing Permits:

#45362 Gunr Plumbing Co.: 1 san. sewer, size 4" - 6/16/66 (abandon 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 Distribution: Dec 11, 1953 OK, Rosser 4/28/54

#59845 Lyon Elec. Co., Inc.: 2 receptacles; 1 motor, 0-1 hp - 7/11/63

#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 305-673-7080. Fax 305-673-7028.

THIS PLAN REVIEW CONSTITUTES APPROVAL FOR OBTAINING BUILDING PERMITS ONLY.

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

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

Approved/Reviewed By: Date: 02.24.11

B1101840

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

BUILDING:
ZONING: 1/24/11
DRB/HPB:
CONCURRENCY:
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
PUBLIC WORKS: 02.24.11
STRUCTURAL: 2/24/11
ELEVATOR:

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

DRAWN BY:
C.PEREIRA

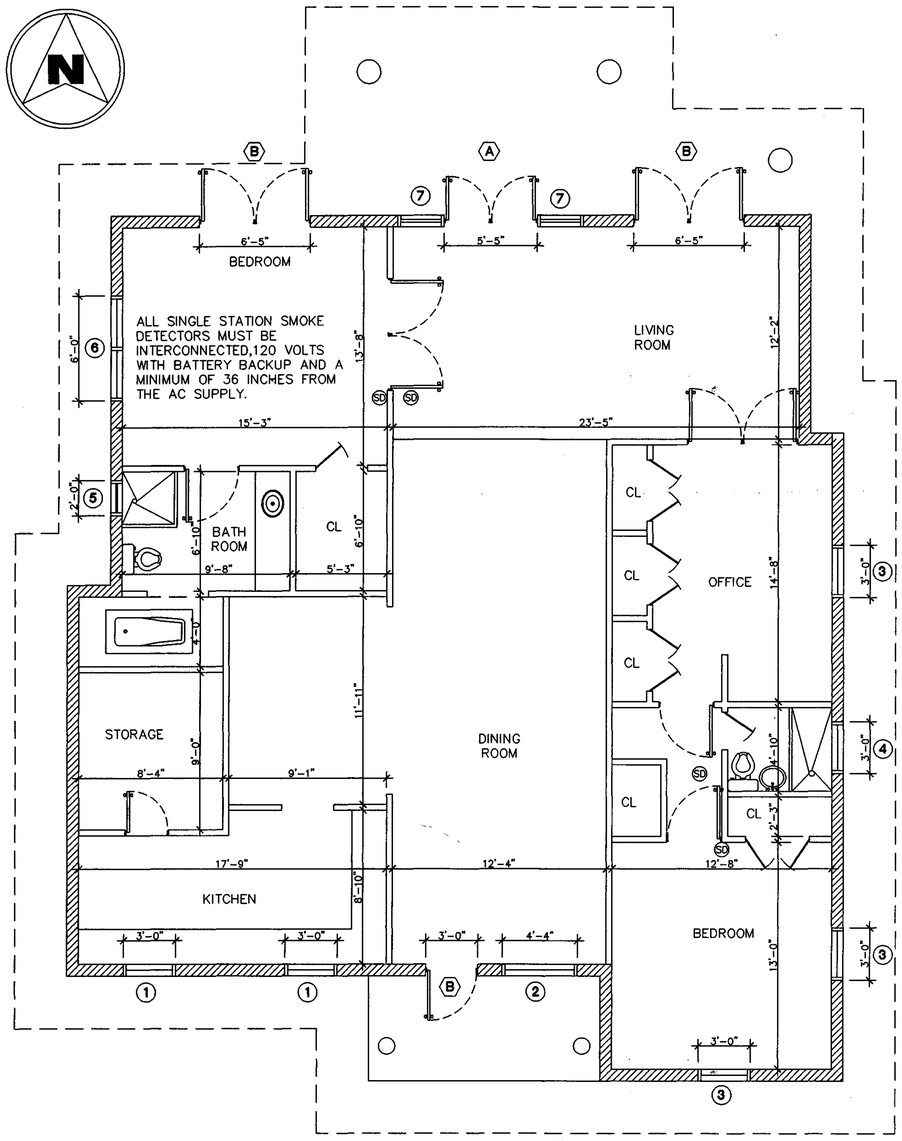
REVISIONS:

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
- (SD) 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

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

DRAWN BY: C.PEREIRA
REVISIONS:
SCALE: 1'-3/8"
DATE: 01/5/2011

CONTAINS:
EXISTING WINDOWS/DOORS PLAN

PAGE: #
A-1

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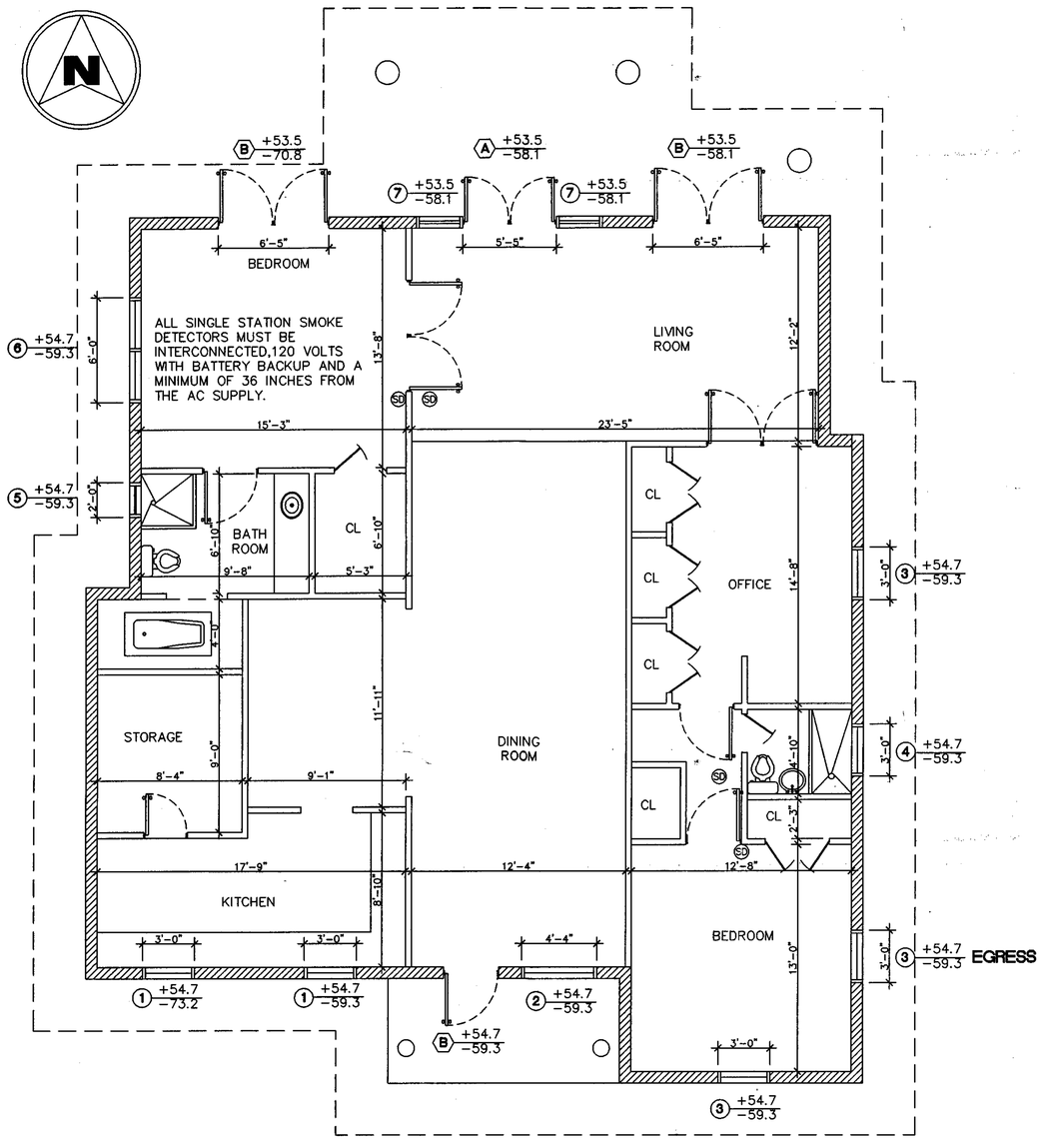

PROPOSED PLAN
SCALE: 1/4"=1'-0"

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 (NOA No 08-0117.11)
(2) (1)	52" x 50"	NEW (NOA No 08-0117.11)
(3) (3)	36" x 50"	NEW (NOA No 08-0117.11)
(4) (1)	36" x 17"	NEW (NOA No 08-0117.11)
(5) (1)	24" x 24"	NEW (NOA No 08-0117.11)
(6) (1)	72" x 48"	NEW (NOA No 08-0117.11)
(7) (2)	34" x 80"	NEW (NOA No 07-0629.10)

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

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

DRAWN BY: C.PEREIRA
REVISIONS:
SCALE: 1'3/8"
DATE: 01/5/2011

CONTAINS:
PROPOSED WINDOWS/DOORS PLAN

PAGE: #
A-2

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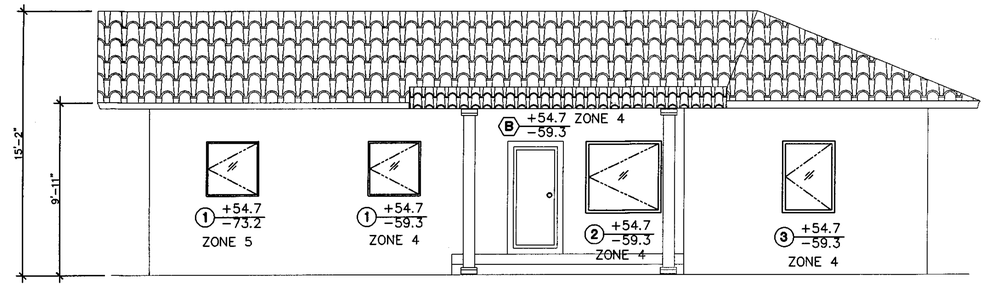
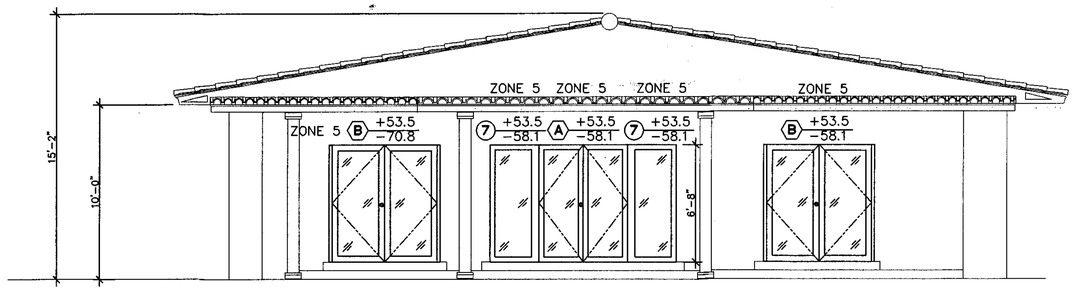
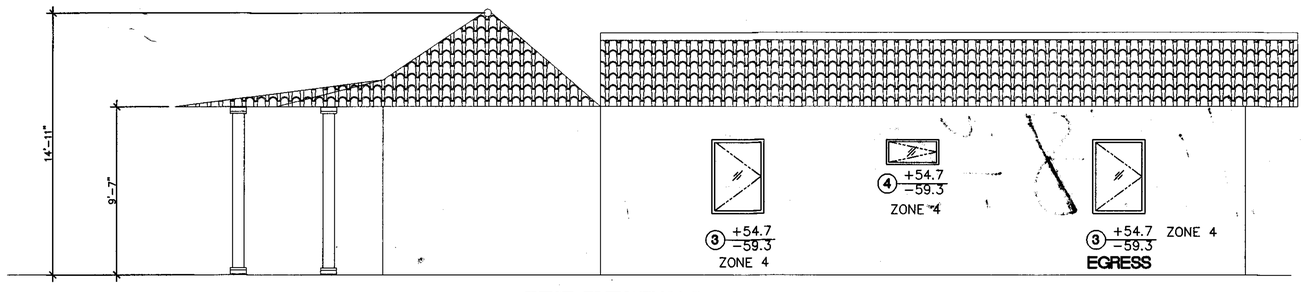


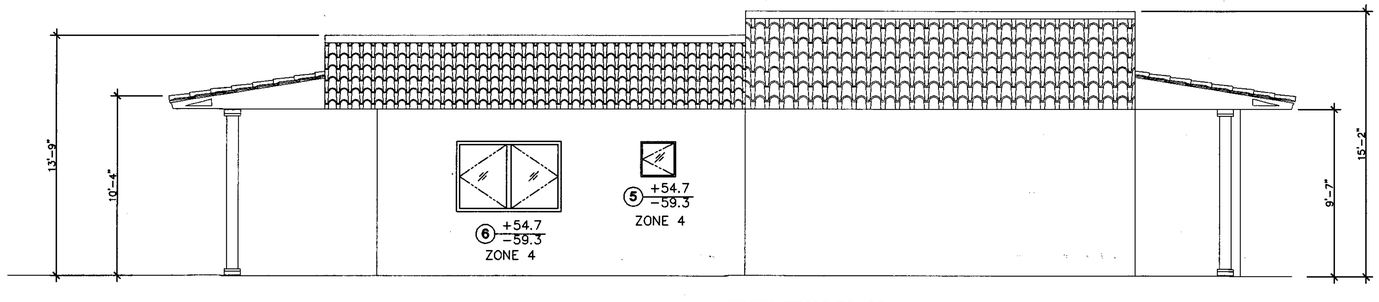
NORTH ELEVATION PLAN
SCALE: 1/4"=1'-0"



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



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



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

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

DRAWN BY: C.PEREIRA
REVISIONS:
SCALE: 1/4"-1'
DATE: 01/5/2011

CONTAINS:
PROPOSED WINDOWS/DOORS ELEVATIONS

PAGE: #
A-3

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CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:

BUILDING:
ZONING: 2/24/11
DRB/HPB:
CONCURRENCY:
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL: 2/25/11
ELEVATOR:

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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(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. Quirall Date: 3/10/11

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

BUILDING:	rm 3/3/11 rm 3/10/11
ZONING:	3/3/11 3/10/11
DRB/HPB:	
CONCURRENCY:	
PLUMBING:	03/04/11
ELECTRICAL:	3/10/11
MECHANICAL:	
FIRE PREVENTION:	
ENGINEERING:	03/04/11
PUBLIC WORKS:	B. Quirall 3/10/11
STRUCTURAL:	N/A
ELEVATOR:	3/3/11 3/10/11

NOTICE: In addition to the requirement of this permit, there may be additional restrictions applicable to this property that may be found in the public records of this county, and there may be additional permits required from other governmental entities such as water management districts, state agencies or federal agencies. It is the responsibility of the owner to comply with all laws and regulations of all other applicable governmental entities, and not relying on this permit as an indication that all such requirements have been satisfied.

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

DRAWN BY :
R. FALLS

REVISIONS:

SCALE: 1"1/4"

DATE: 01/5/2011

CONTAINS:
COVER SHEET

PAGE: #
A-0

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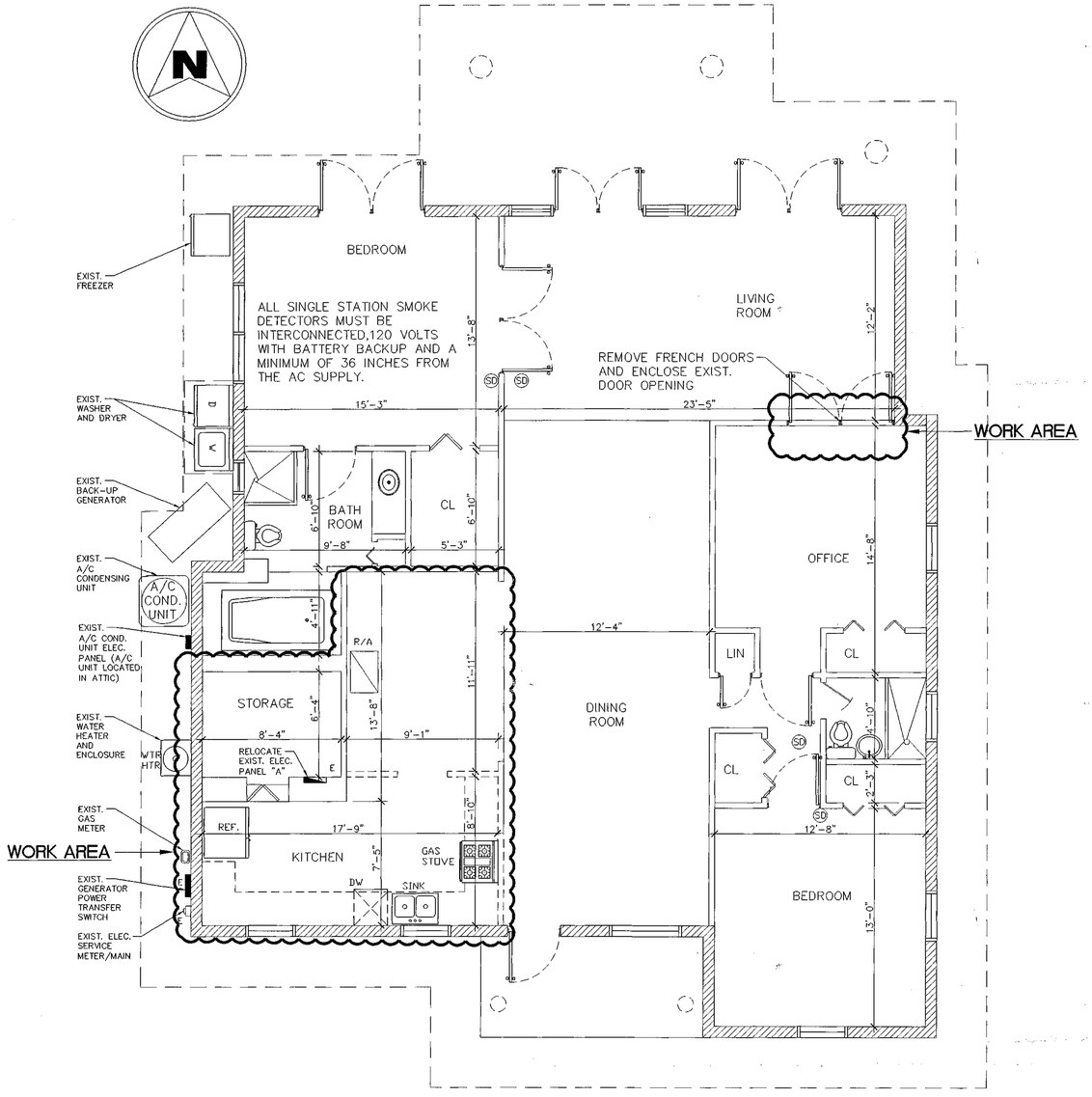

EXISTING PLAN
SCALE: 1/4"=1'-0"

LEGEND:

- EXIST. NON RATED PARTITION WALL
- EXIST. 1 HR. RATED PARTITION WALL
- EXIST. NON RATED PARTITION WALL TO BE REMOVED
- (SD) EXIST. SMOKE DETECTOR

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

DRAWN BY :
R. FALLS

REVISIONS:

SCALE: 1'-1/4"

DATE: 01/5/2011

CONTAINS:

EXISTING INTERIOR PLAN

PAGE: #
A-1

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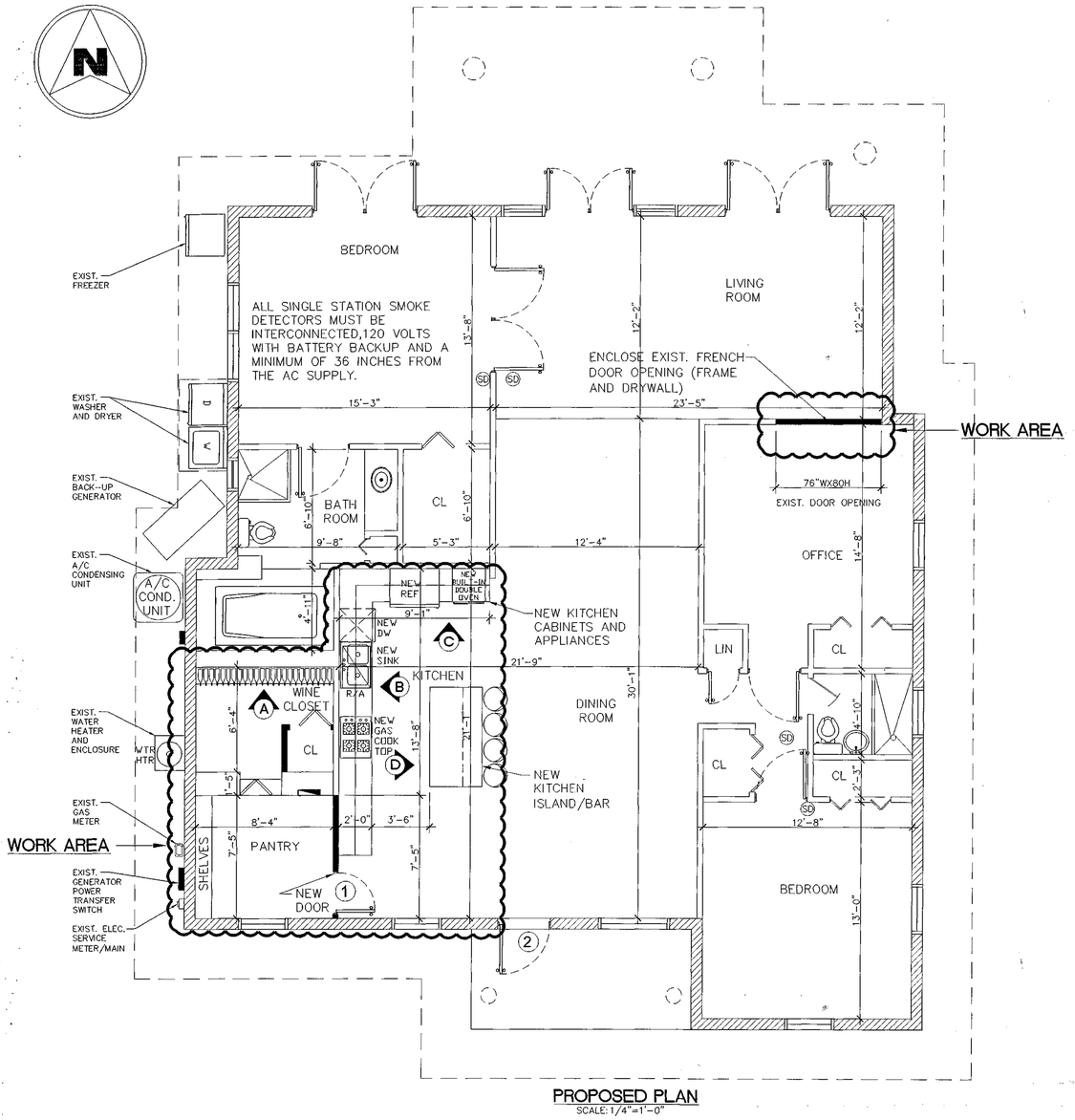
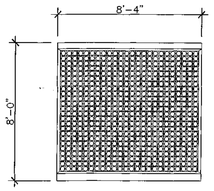
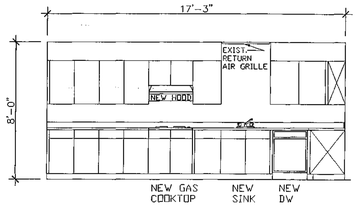


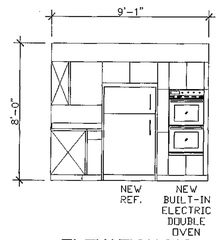
PROPOSED PLAN
SCALE: 1/4"=1'-0"



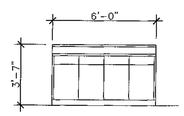
ELEVATION "A"
PROP. WINE RACK WALL



ELEVATION "B"
PROP. KITCHEN CABINETS

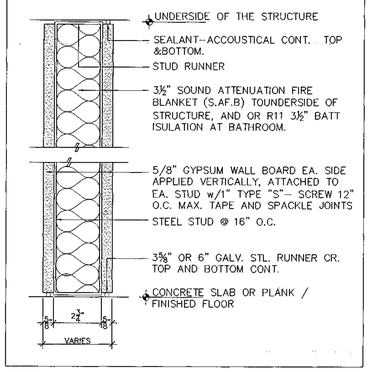


ELEVATION "C"
PROP. KITCHEN CABINETS



ELEVATION "C"
PROP. KITCHEN ISLAND / BAR

NON RATED WALL PARTITION

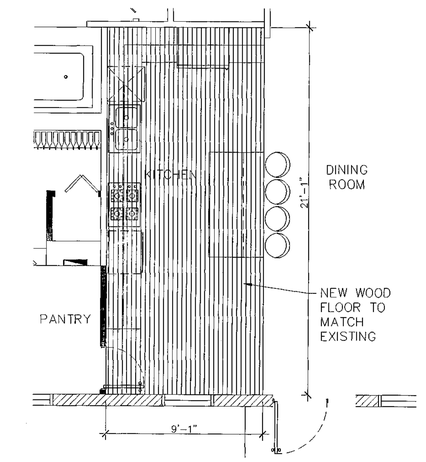


DOOR SCHEDULE

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
- SD EXIST. SMOKE DETECTOR



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

Rhodes Residence
8 Farrey Lane
MIAMI BEACH, FL. 33139

PROJECT:

DRAWN BY : R. FALLS

REVISIONS:

SCALE: 1'-1/4"

DATE: 01/5/2011

CONTAINS:

PROPOSED INTERIOR PLAN

PAGE: #
A-2

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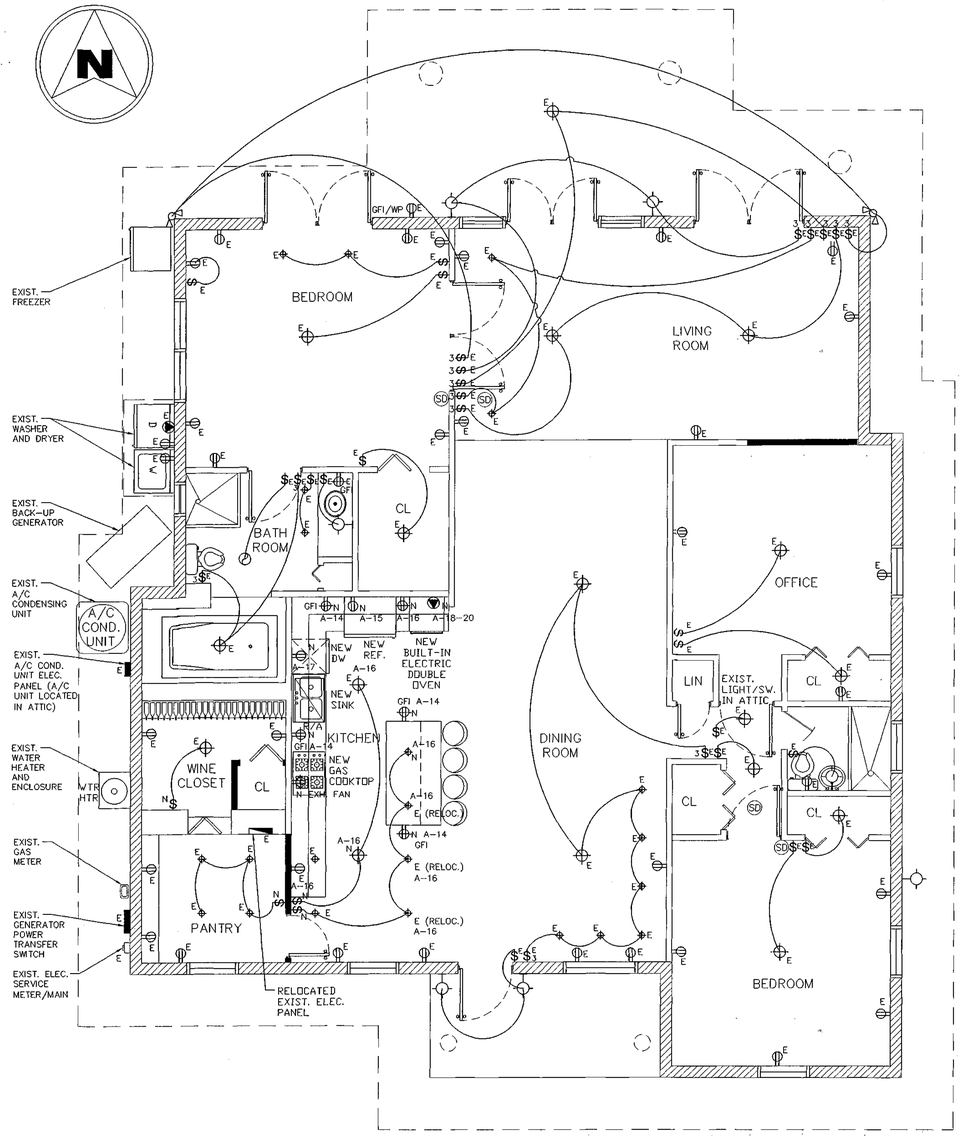


PROPOSED ELECTRICAL PLAN

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

ELECTRICAL NOTES:

1. PROVIDE APPROVED FIRE STOPPING MATERIALS AT ALL PENETRATIONS THROUGH FIRE RATED WALLS TO PREVENT THE PASSAGE OF SMOKE, FIRE, TOXIC GAS OR WATER THROUGH THE PENETRATION EITHER BEFORE, DURING OR AFTER A FIRE.

2. ALL LIGHT FIXTURES WILL BE PROVIDED BY THE OWNER.

3. PROVIDED ARC-FAULT CIRCUIT INTERRUPTER TYPE BREAKER FOR ALL ADDED OUTLETS, AS PER NEC 2008 SECTION 210-12. ALL ADDED RECEPTACLES TO BE TAMPER RESISTANT AS PER NEC 2008 SECTION 406.11.

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

EXISTING PANEL A

SERVICE: 120/240V,1Ø,3W
MOUNTING: SURFACE
POLES: 20
CHALLENGER SL-20 (20-40) MODEL #3 TYPE 1
MAIN BUS: 200 AMPS
NEUTRAL: FULL
MAINS: MLO
A.I.C 10K

LOAD K.V.A	TRIP POLE	CON-DUIT	WIRE	REMARKS	CKT NO	CKT NO	REMARKS	WIRE	CON-DUIT	TRIP POLE	LOAD K.V.A
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/	3	4					
				FREEZER	5	6	MASTER BDRM/BDRM	12	1/2	20-1	1.5
5.0	20-1	1/2	12	DRYER	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 GFI 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							--

GENERAL LIGHTING LOAD = 22,900 VA
- FIRST 10 KVA AT 100% ..... 10,000 VA
- REST 12,900 VA AT 40% ..... 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 VA ÷ 240V = 94.4 A

GENERAL ELECTRICAL NOTES

A. GENERAL PROVISIONS
1. THE WORK SHALL CONSIST OF FURNISHING LABOR, EQUIPMENT, AND MATERIALS TO PROVIDE THE COMPLETE INTERGRATED 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 SYMETRICAL 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.

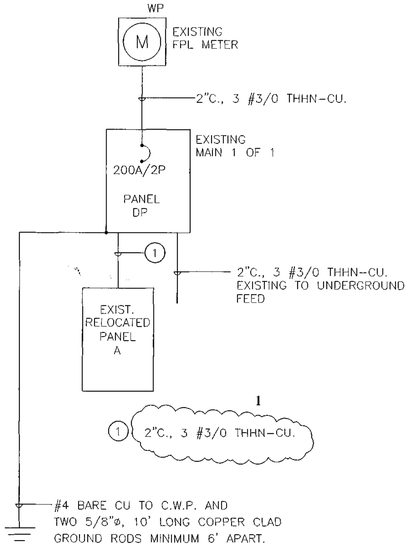
SYMBOL LEGEND

- 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
- (SD) MULTIPLE STATION SMOKE DETECTOR POWERED 120V AND PROVIDED WITH BATTERY BACKUP.
- (CO) 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)
- (J) JUNCTION BOX
- $ SINGLE POLE SWITCH – 20 AMP (48" A.F.F.TO CENTER)
- $3 THREE WAY SWITCH (48" A.F.F. TO CENTER)
- $D 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

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

DRAWN BY : R. FALLS

REVISIONS:
1 REVISIONS 03/09/2011

SCALE: 1"1/4"

DATE: 01/17/2011

EC0002054 OMAR VILLAR
3/9/11

CONTAINS:
PROPOSED INTERIOR ELECTRICAL PLAN

PAGE: #
E-1

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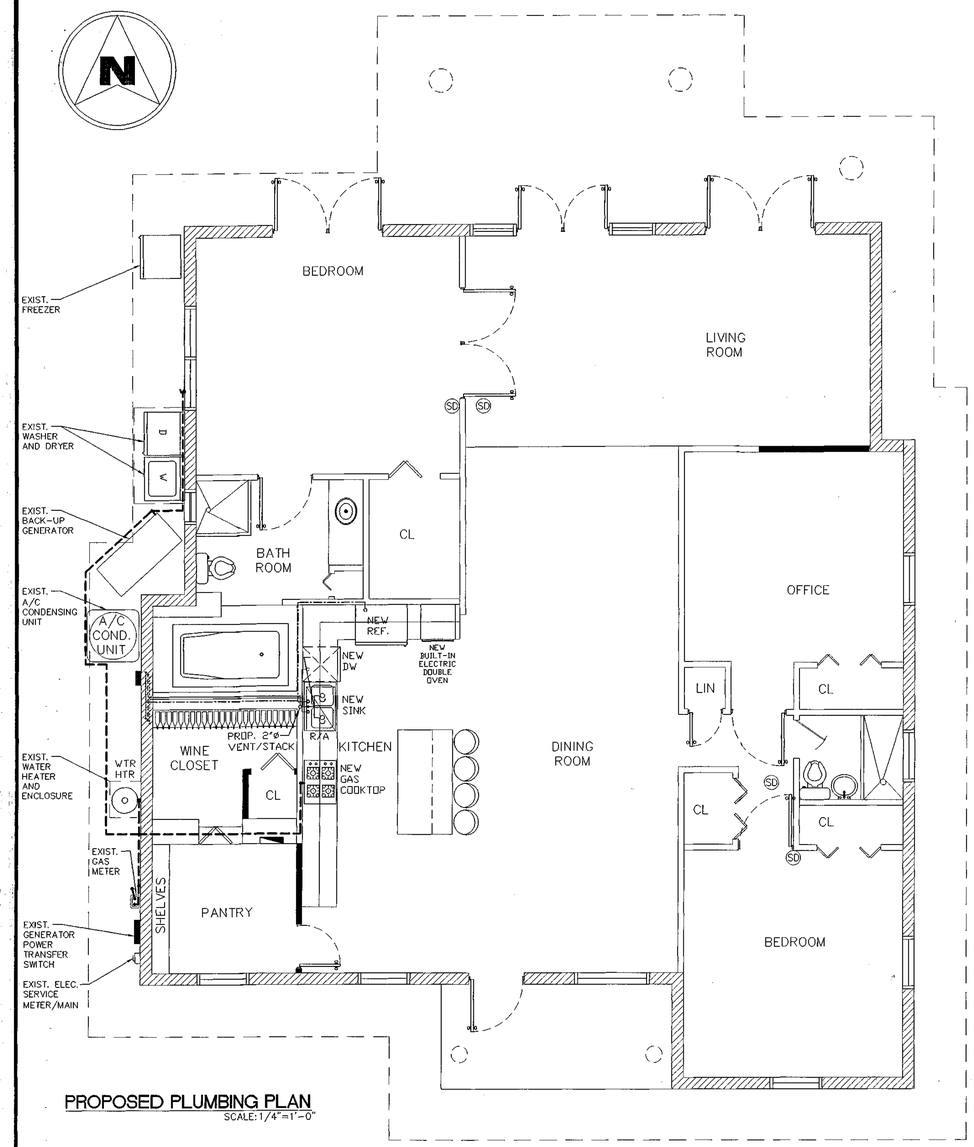
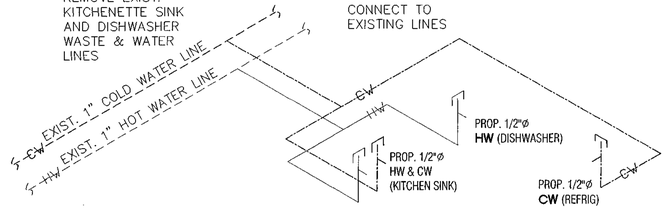


PROPOSED PLUMBING PLAN
SCALE: 1/4"=1'-0"

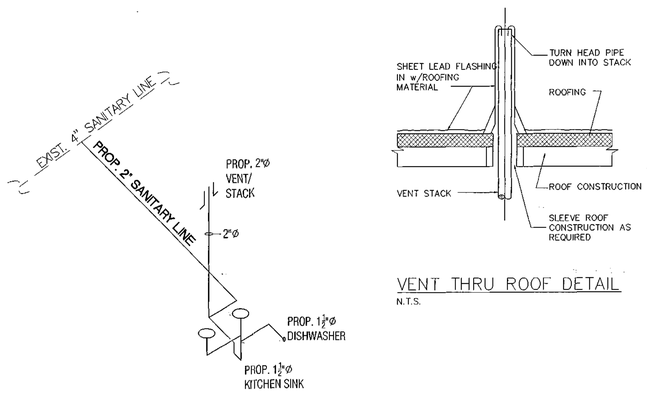
NOTE:
REMOVE EXIST. KITCHENETTE SINK AND DISHWASHER WASTE & WATER LINES

NEW 1/2" COLD & HOT WATER CONNECT TO EXISTING LINES



NOTE:
REMOVE EXIST. SINK, DISHWASHER AND REFRIG. & WATER LINES

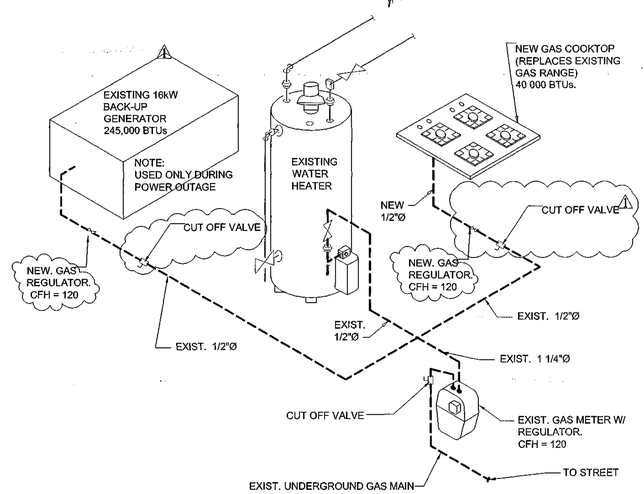
PLUMBING WATER RISER DIAGRAM



VENT THRU ROOF DETAIL
N.T.S.

PLUMBING SANITARY RISER DIAGRAM

Field inspection: verify 5 PSI system + location of second stage regulators for all appliances. JS 03/09/11



GAS RISER DIAGRAM

GENERAL PLUMBING NOTES

1. ALL WORK TO BE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2007, ASME CODE AND AGA REQUIREMENTS AND ALL OTHER APLICABLE CODES.
2. CONTRACTOR SHALL VISIT THE JOB SITE AND THOROUGHLY FAMILIARLIZE 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 DESCREPANCIES.
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.D.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 GAURANTEE 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 FIXTURESSHALL COMPLY WITH REFERENCED STANDARDS AS PER FBC PLBG 406 THROUGH 421.

PLUMBING FIXTURE SCHEDULE

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

SLOPE OF HORIZ. DRAINAGE PIPE

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

JS 03/09/11

TABLE 604.4
MAXIMUM FLOW RATES AND CONSUMPTION FOR PLUMBING FIXTURES,FIXTURE FITTINGS AND APPLIANCES

PLUMBING FIXTURE OR FIXTURE FITTING	PLUMBING FIXTURE OR FIXTURE FITTING MAXIMUM FLOW RATE
~~LAVATORY FAUCET~~	~~1.0 GPM AT 60 PSI~~
SINK FAUCET	1.0 GPM AT 60 PSI
~~SHOWER HEAD~~	~~1.5 GPM AT 80 PSI~~
~~WATER CLOSET~~	~~1.28 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

GAS NOTES:

1. PROVIDE SHUT OFF AND PRESSURE REGULATOR VALVE AT EACH APPLIANCE.
2. GAS WATER HEATER CONSUMPTION IS 75,000 BTU'S, GAS COOKTOP CONSUMPTION IS 40,000 BTU'S (REPLACES EXIST. GAS RANGE 65,000 BTU'S), GAS GENERATOR CONSUMPTION IS 245,000 BTU'S (USED ONLY DURING POWER OUTAGE) FOR A TOTAL CONSUMPTION OF 360,000 BTU'S OF NATURAL GAS.
3. LONGEST DISTANCE TO FURTHEST APPLIANCE IS 66'–0".
4. GAS LINES SIZED USING TABLE 402.4(5) OF THE FBC FUEL GAS – 2007 EDITION.
5. GAS PIPING SHALL BE BLACK STEEL SCHEDULE 40 PIPE CONFORMING TO ASTM 53, STEEL THREADED FITTINGS.

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

DRAWN BY : R. FALLS

REVISIONS:
⚠ REVISIONS 03/04/2011

SCALE: 1"1/4"
DATE: 01/17/2011

CONTAINS:
PROPOSED INTERIOR PLUMBING PLAN

PAGE: #
P-1

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& Farreyka
Office Copy

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

BUILDING:
ZONING:
DRB:
CONCURRENCY:
PLANNING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ELEVATOR:

3/10/11
3/10/11
03/09/11
3/10/11
03/10/11
N/A 3/10/11

Small

~~D0118-2~~ ~~B1004195~~

B1004195

B1004195

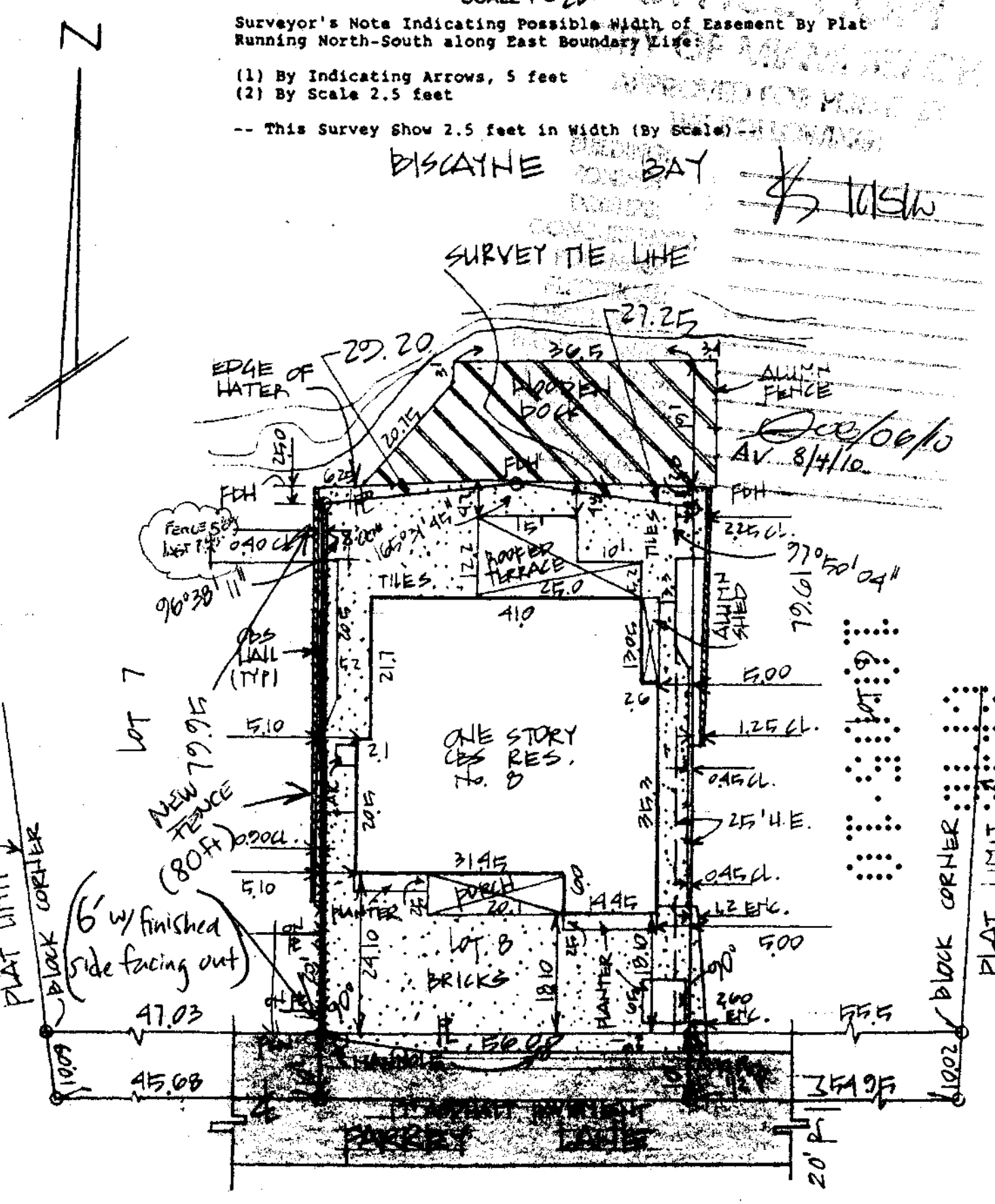
SKETCH OF BOUNDARY SURVEY

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) --



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.F.I.P. THE SUBJECT PROPERTY FALLS WITHIN FLOOD ZONE: AE

1/28/04

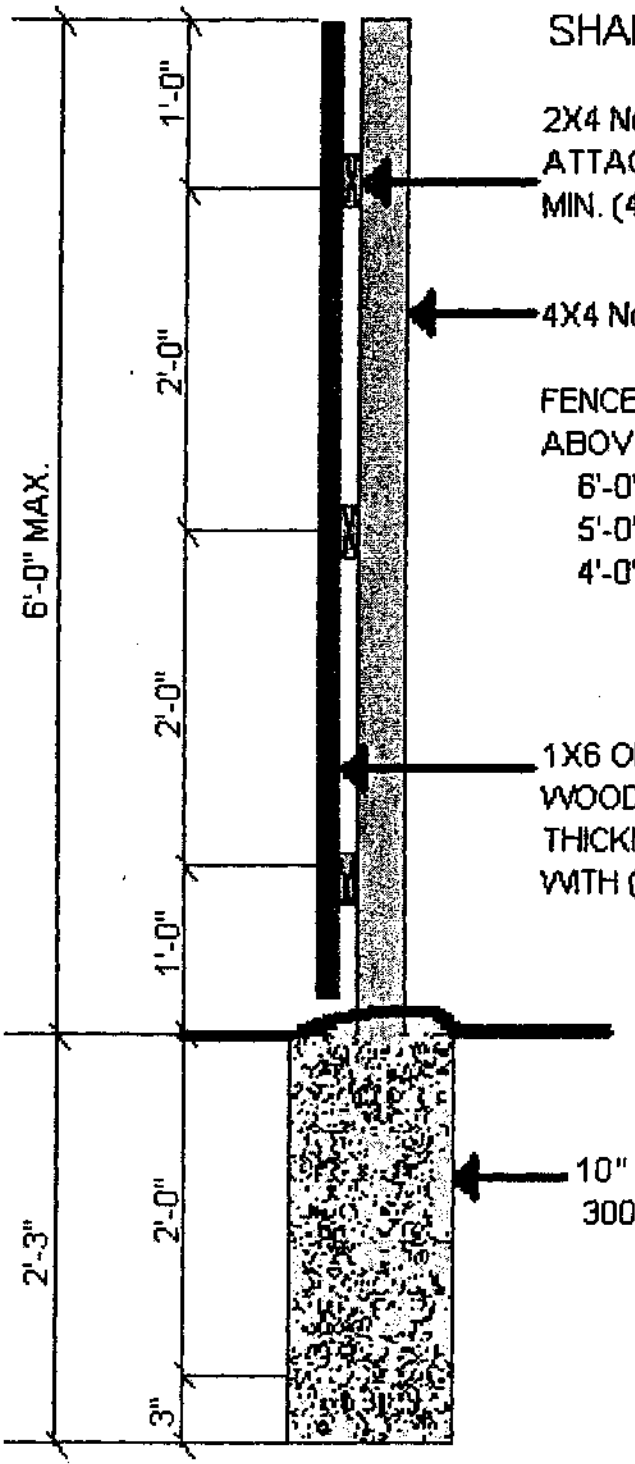
B1004195

Florida Building Code
Section 2328

Wood Fence Design Detail

N. T. S.

ALL NAILS AND CONNECTORS SHALL BE GALVANIZED



2X4 No. 3 P.T. WOOD RAILS (3) MIN. ATTACHED TO WOOD POST WITH MIN. (4) 10d NAILS

4X4 No. 2 P.T. WOOD POST

FENCE HEIGHT ABOVE GRADE	POST SPACING
6'-0" (MAX.)	4'-0" o/c
5'-0"	5'-0" o/c
4'-0"	6'-0" o/c

1X6 OR 1X8 WOOD SLATS WOOD PICKETS, 5/8" MIN. DRESSED THICKNESS. ATTACH EACH PICKET TO RAIL WITH (2) 18 GA. STAPLES 1-3/4" LONG.

10" DIA. CONCRETE FOOTING 3000 PSI MIN.

LEGAL DESCRIPTION

LOT 8 BLOCK ———

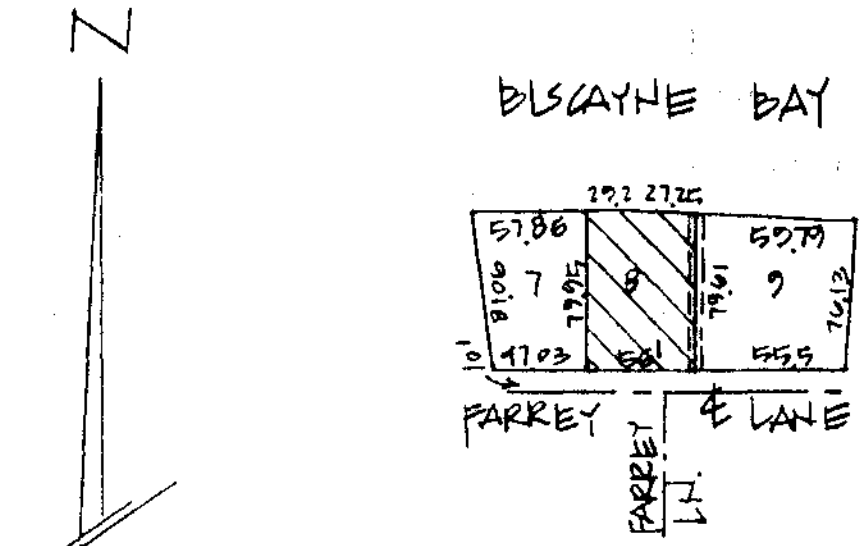
SUBDIVISION: SECOND SECTION BELLE ISLE VILLAS

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'



RES. No. 8 FARREY LANE MIAMI BEACH, FL. 33139

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

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 61G17-6 FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027 FLORIDA 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. BELTRAN & ASSOCIATES, INC.
12535 S.W. 30th STREET
MIAMI, FLORIDA 33175
PHONE: (305) 552-7450
CERTIFICATE OF AUTHORIZATION NUMBER LB 5233

ABBREVIATIONS (IF ANY APPLIED)

℄	=CENTER LINE	CL	=CLEAR	U.E.	=UTILITY EASEMENT
℘	=PROPERTY LINE	ENC.	=ENCROACHMENT	W.M.E.	=WALL MAINT. & DRAINAGE EASMT.
R/W	=RIGHT-OF-WAY	C.B.S.	=CONCRETE BLOCK STRUCTURE	ℳ	=MONUMENT LINE
C.L.F.	=CHAIN LINK FENCE	CONC.	=CONCRETE	PROP. COR	=PROPERTY CORNER
W.F.	=WOODEN FENCE	Ø	=DIAMETER	F.H.	=FIRE HYDRANT
RES.	=RESIDENCE	D.M.E.	=DRAINAGE MAINTENANCE EASMT.	EASMT.	=EASEMENT
F.I.P.	=FOUND IRON PIPE	S.I.P.	=SET IRON PIPE	F.R.B.	=FOUND RE-BAR
S.R.B	=SET RE-BAR	F.D.H.	=FOUND DRILL HOLE	S.D.H.	=SET DRILL HOLE
C.B.	=CHORD BEARING	A/C	=AIR CONDITIONING UNIT	CALC.	=CALCULATED
MEAS	=MEASURED	REC.	=RECORDED	F.S.	=FOUND SPIKE
S.N&D	=SET NAIL & DISC	F.N.&D	=FOUND NAIL & DISC	RAD	=RADIAL
F.N.	=FOUND NAIL	F.C.N.	=FOUND CUT NAIL	F.	=FOUND (TYP)=TYPICAL

ERNESTO BELTRAN
PROFESSIONAL SURVEYOR & MAPPER NO. 4985
STATE OF FLORIDA
DATE: 7-[illegible]-2000

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

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

PUBLIC WORKS
PLAN REVIEW NOTICE

Phone 305-673-7080 Fax 305-673-7028

THIS PLAN REVIEW CONSTITUTES APPROVAL FOR OBTAINING BUILDING PERMITS ONLY.

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

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

Date: 08-06-2010

ENC-08-06-2010

OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT
BUILDING

$2,181.51

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

Delivery Box

8 FARREY LN.

B10187

MIAMI-DADE COUNTY, FLORIDA
METRO DADE FLAGLER BUILDING
BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION
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 expenses 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 "FD-101" Outswing Aluminum French Door w/ Sidelites

APPROVAL DOCUMENT: Drawing No.11005-1, titled "Aluminum French door & Sidelite-Impact", sheets 1through 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., 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 reinforcements 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 FBC, 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.**

PRODUCT CONTROL ACCEPTED

9/27/07

PGT Industries

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 1through 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 ASTME-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.

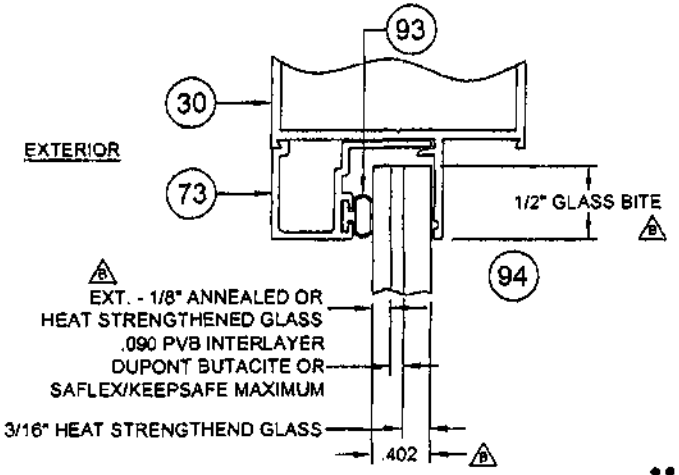
Ishaq I. Chanda

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

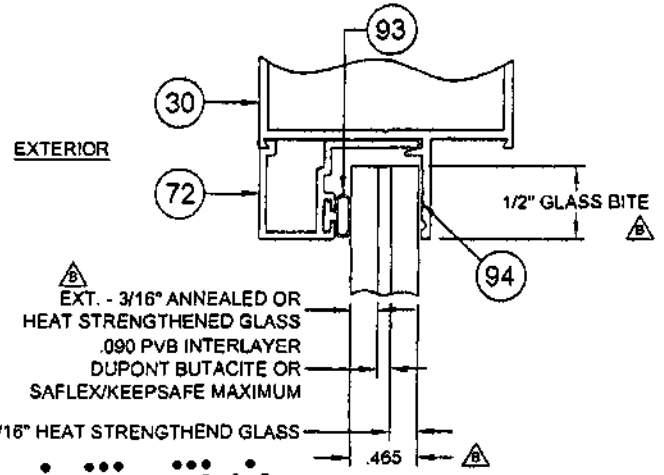
NOTES: OUTSWING IMPACT FRENCH DOOR(S) AND SIDE LITE(S)

1. GLAZING OPTIONS:
   A. 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.
   B. 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.
   C. 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 .
   D. 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.
   A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E 1300-02.
   B. 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, 03-0225.06, 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:
   A. THE LOWER DESIGN PRESSURE FROM TABLE 1. OR 2. PREVAILS.
   B. 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.

NOA DRAWING MAP



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



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

Approved as complying with the Florida Building Code
Date October 18, 2007
NOA# 07-0629.10
Miami Dade Product Control Division
By Ishaq I. Chanda

Revised By:	Date:	Revisions:	
Revised By: F.K.	Date: 6/18/07	Revisions: B	CLARIFY EXT. OF GLASS, OVERALL THICKNESS AND GLASS BITE.
Revised By: F.K.	Date: 5/14/07	Revisions: A	ADD GLASS BITE DIM. TO GLAZING DETAILS, ADD GLASS DEC. THK., REVISE NOTE 1., GLASS DESCRIPT. & ADD NOTE 9.
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

PGT Visibly Better

Description: NOTES AND GLAZING DETAILS
Title: ALUM. FRENCH DOOR & SIDE LITES, IMPACT

Series/Model:	Scale:	Sheet:	Drawing No.:	Rev:
FD101	1x	1 of 10	11005-1	B

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

TABLE 1. DESIGN PRESSURES FOR ALL CONFIGURATIONS

(B) 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
	O WIDTH	SINGLE SIDE LITES WITH GLASS TYPE A									
	27 3/4"	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0
	36 1/8"	+75.0	-75.0	+75.0	-75.0	+71.4	-71.4	+67.6	-67.6	+64.2	-64.2
	36 3/4"	+75.0	-75.0	+74.9	-74.9	+70.4	-70.4	+66.6	-66.6	+63.1	-63.1
	O WIDTH	SINGLE SIDE LITES WITH GLASS TYPES B, C OR D									
	36 3/4"	+75.0	-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

(B) 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	GLASS TYPES A, B, C OR D									
	10 3/4"	+75.0	-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	-75.0
	19"	+72.4	-72.4	+68.5	-68.5	+65.0	-65.0	+61.9	-61.9	+59.0	-59.0
	21 3/4"	+64.5	-64.5	+61.0	-61.0	+57.8	-57.8	+55.0	-55.0	+52.4	-52.4
	27 3/4"	+52.9	-52.9	+49.9	-49.9	+47.2	-47.2	+44.7	-44.7	+42.6	-42.6
	36 1/8"	+35.2	-35.2	+35.2	-35.2	+35.2	-35.2	+35.2	-35.2	+34.4	-34.4
	36 3/4"	+34.0	-34.0	+34.0	-34.0	+34.0	-34.0	+34.0	-34.0	+34.0	-34.0

NOTES:

(B) 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)

(B) 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.

(B) 5. EXAMPLES OF COMBINED DOOR AND SIDE LITE DESIGN PRESSURES:

EX. A FROM TABLE 1.
OXO WITH GLASS TYPE A
30" WIDE x 80" HIGH SINGLE DOOR WITH 26" 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 26" 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 26" SIDE LITES
DESIGN PRESSURE = +43.1 / -43.1 PSF

(B) 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 15, 2007
NOA# 07-0629.10
Miami Dade Product Control
Division
By

Revised By:	Date:	Revisions:	
F.K.	9/18/07	B	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: F.K.	Date: 2/22/07	Checked By: J.J.	Date: 6/21/07

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 7329
NOKOMIS, FL 34274

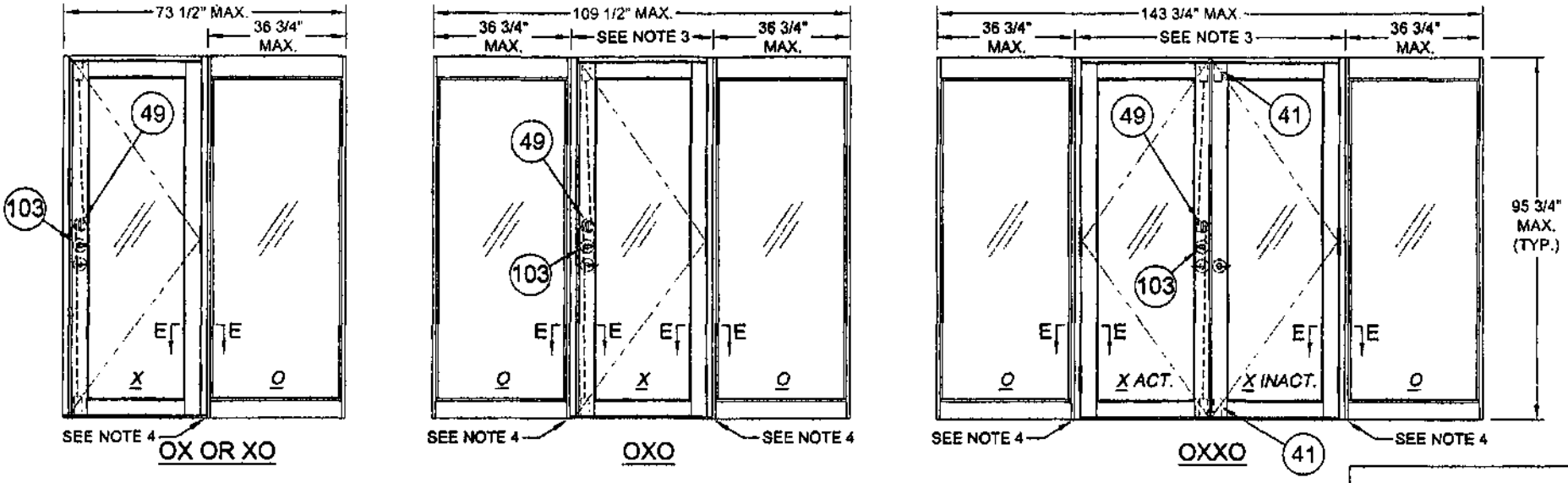
PGT Visibly Better

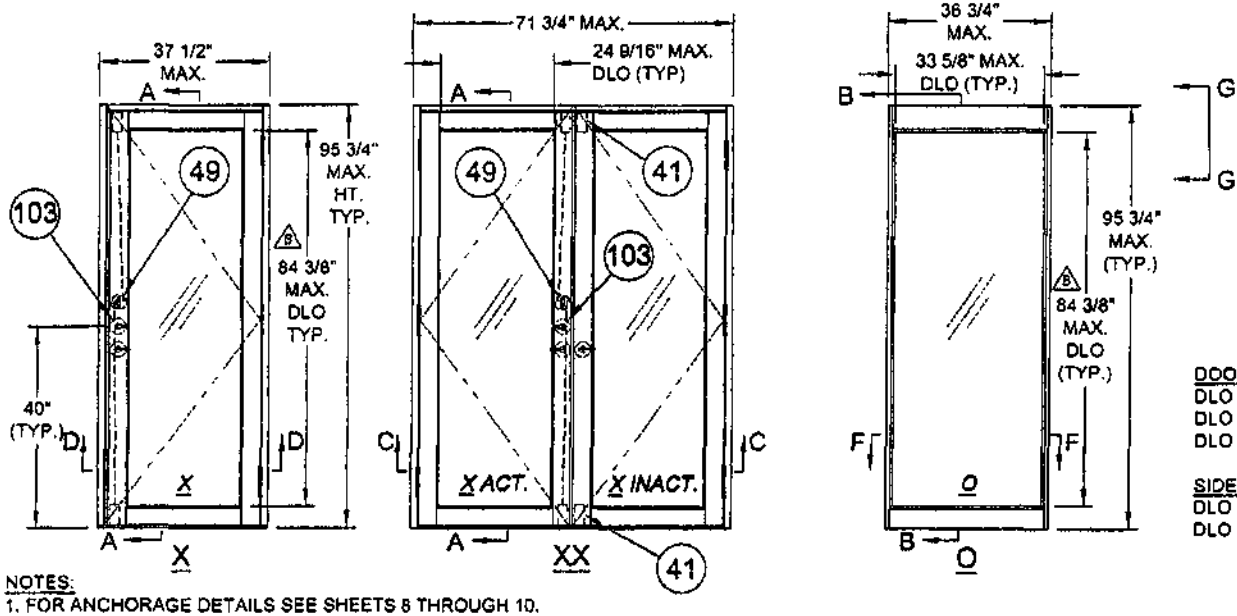
Description: DESIGN PRESSURES

Title: ALUM. FRENCH DOOR & SIDE LITES, IMPACT

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
FD101	1x	2 of 10	11005-1	B

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





DOOR
DLO HEIGHT = HEIGHT -11 3/8" (B)
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" (B)
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', 'XXO', 'OXX' AND 'OXXO' 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 - 5.6465), ('XX' DOOR = DOOR WIDTH/2 -4.4079)

Revised By:	Date:	Revisions:	
F.K.	9/18/07	B	CORRECT VERTICAL DLO AND FORMULAS
F.K.	8/14/07	A	ADD DLO FORMULAS FOR DOOR AND SIDE LITE, ADD DOOR DLO DIM, IDENTIFY DEAD BOLT AND SPECIFY 'X' ACT. AND 'X' INACT.
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 1589
NOKOMIS, FL 34274

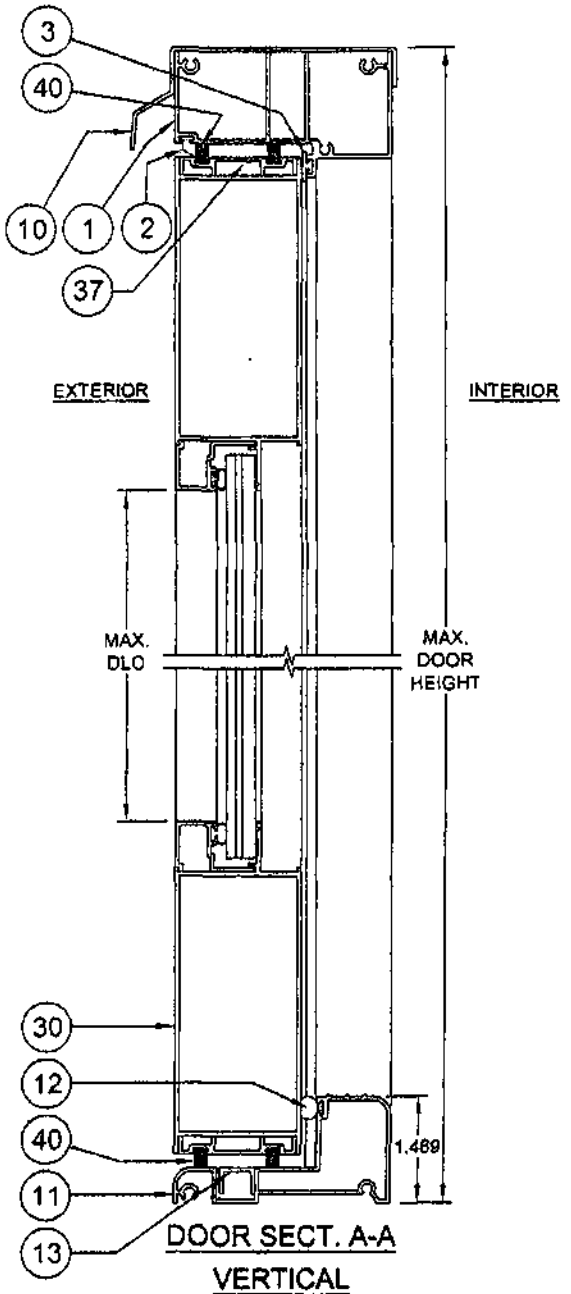
PGT Visibly Better

Description: ELEVATIONS
Title: ALUM. FRENCH DOOR & SIDE LITES, IMPACT

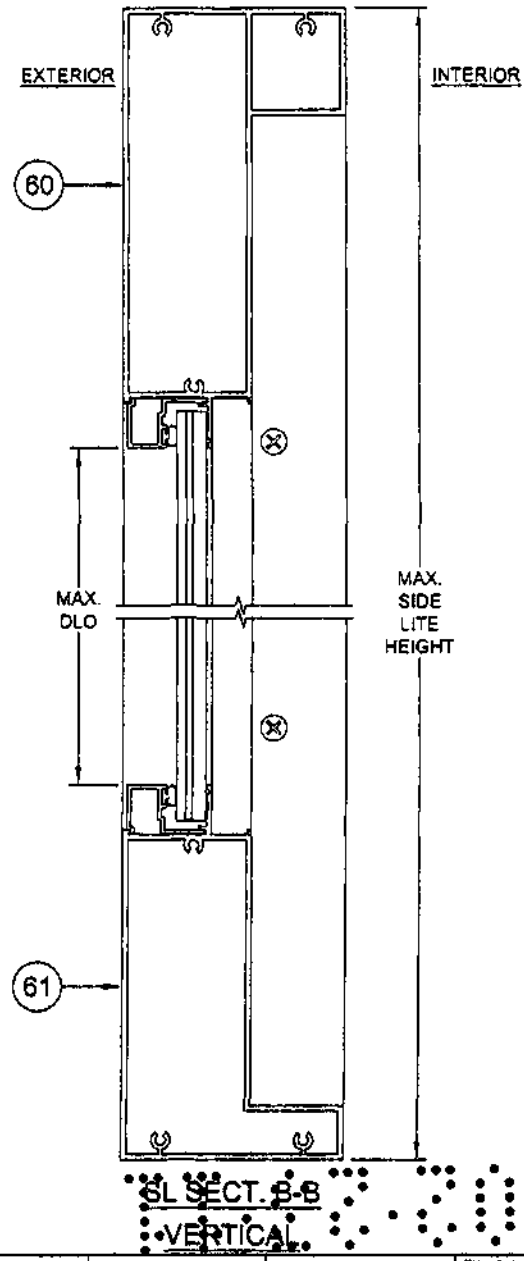
Series/Model:	Scale:	Sheet:	Drawing No.	Rev.
FD101	NTS	3 of 10	11005-1	B

OCT 19 2007
07-0629.10
By: Ishaq I. Chanda

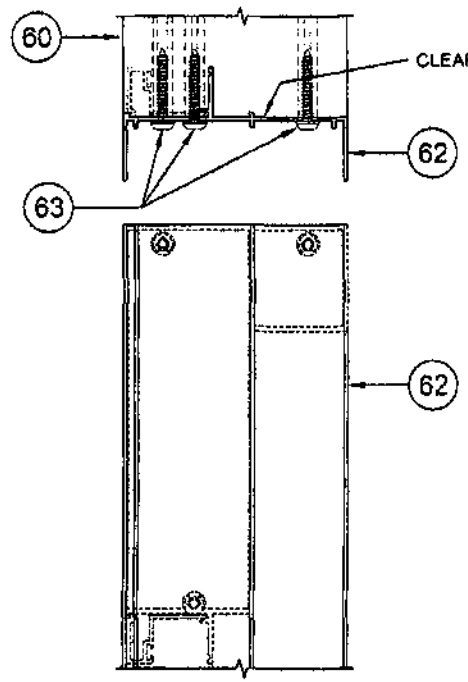
Robert L. Clark, P.E.
PE #39712
Structural



DOOR SECT. A-A
VERTICAL



SL SECT. B-B
VERTICAL



SL VIEW G-G
CORNER ASSEMBLY

Approved as complying with the Florida Building Code
Date OCT 18, 2007
NOA# 07-0629.10
Miami Dade Product Control Division
By Craig L. Chisholm

Revised By:	Date:	Revisions:	
Revised By: F.K.	Date: 9/18/07	Revisions: B	NO CHANGE THIS SHEET.
Revised By: F.K.	Date: 8/14/07	Revisions: 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

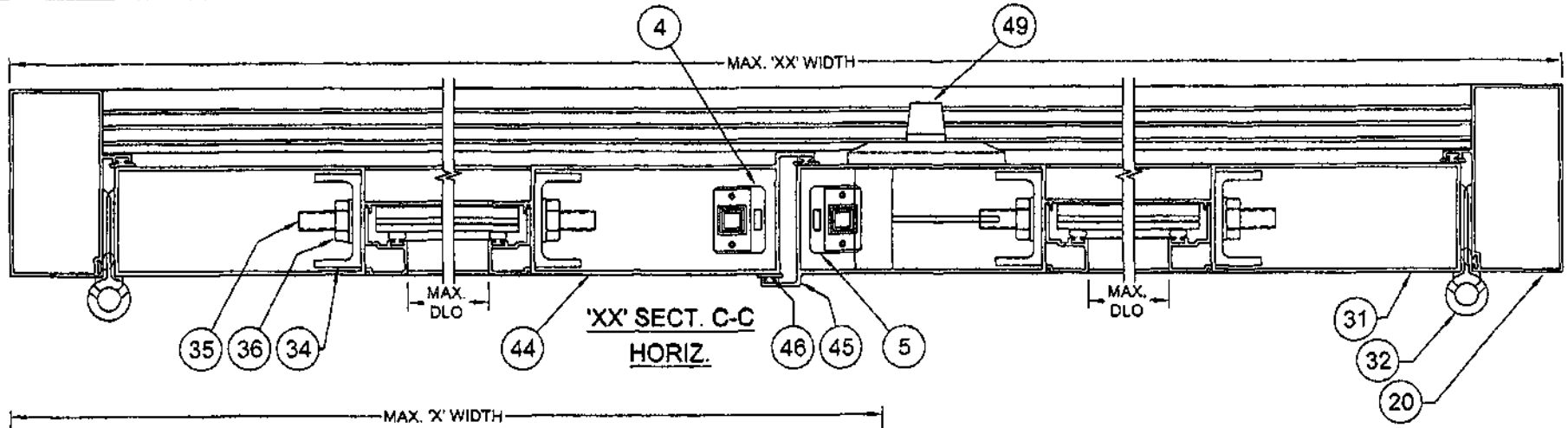
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

PGT Visibly Better

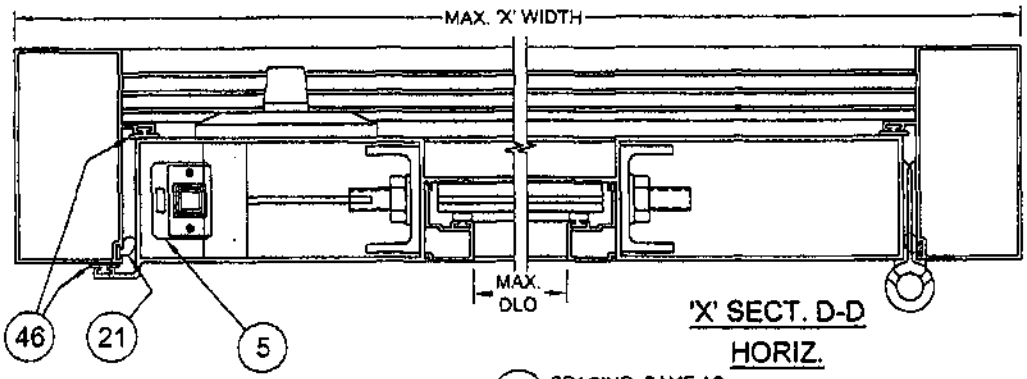
Description:
EXAMPLE ELEVATIONS
Title:
ALUM. FRENCH DOOR & SIDE LITES, IMPACT

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
FD101	1/2x	4 of 10	11005-1	B

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



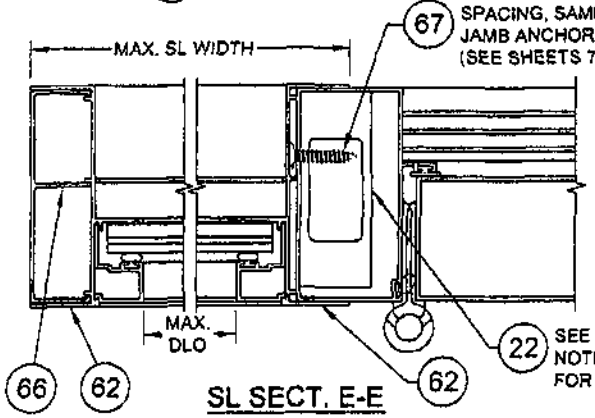
'XX' SECT. C-C
HORIZ.



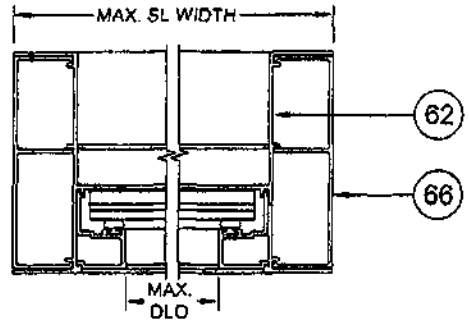
'X' SECT. D-D
HORIZ.

INTERIOR

EXTERIOR



SL SECT. E-E
HORIZ. (DOOR W/ SIDE LITE)



SL SECT. F-F
HORIZ. (SINGLE SIDE LITE)

Approved as complying with the Florida Building Code
Date OCT 18, 2007
NOA# 07-0629.10
Miami Dade Product Control Division
By Thang I. Chanda

Revised By:	Date:	Revisions:	
F.K.	9/18/07	B	NO CHANGE THIS SHEET.
F.K.	8/14/07	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: 5/21/07

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1089
NOKOMIS, FL 34274

PGT
Visibly Better

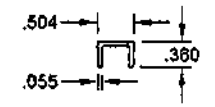
Description: VERTICAL SECTIONS
Title: ALUM. FRENCH DOOR & SIDE LITES, IMPACT

Series/Model:	Scale:	Sheet:	Drawing No.	Rev.
FD101	1/2x	5 of 10	11005-1	B

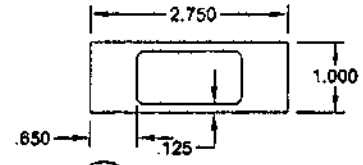
Robert L. Clark, P.E
PE #39712
Structural

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	7634F	#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	781PQA	#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	67P247	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 OCT 18 2007
NOA# 07-0629.10
Miami Dade Product Control Division
By Isaac L. Claude

Revised By:	Date:	Revisions:	
Revised By: F.K.	Date: 9/18/07	Revisions: B	NO CHANGE THIS SHEET.
Revised By: F.K.	Date: 8/14/07	Revisions: A	ADD ITEM 103 DEAD BOLT AND "INACTIVE PANEL ONLY" TO ITEM 41.
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 34274

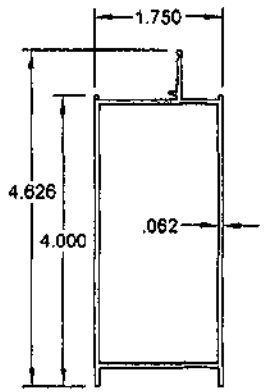
PGT Visibly Better

Description: PARTS LIST

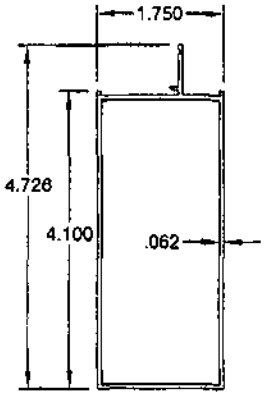
Title: ALUM. FRENCH DOOR & SIDE LITES, IMPACT

Series/Model:	Scale:	Sheet	Drawing No.	Rev:
FD101	1/2x	6 of 10	11005-1	B

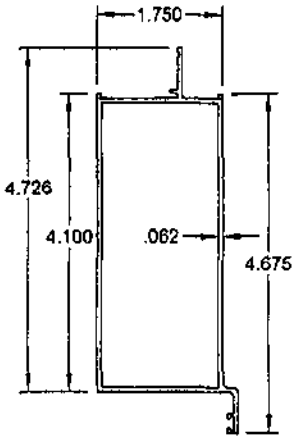
Robert L. Clark, P.E.
PE #39712
Structural



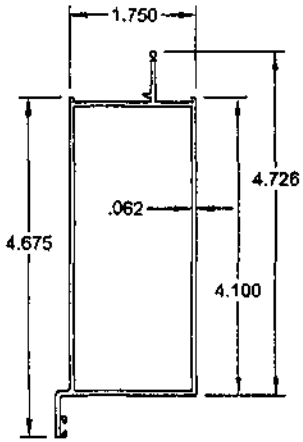
30 DOOR PANEL TOP & BOTTOM RAIL 6063-T5



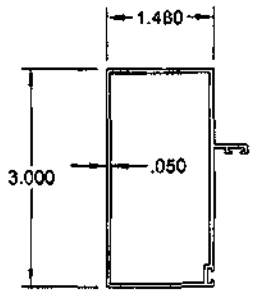
31 DOOR PANEL SIDE RAIL 6063-T5



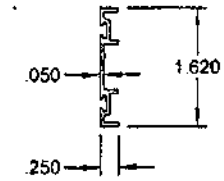
44 DOOR PANEL INTERIOR ASTRAGAL 6063-T5



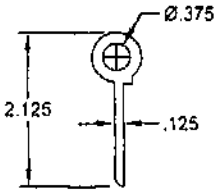
45 DOOR PANEL EXTERIOR ASTRAGAL 6063-T5



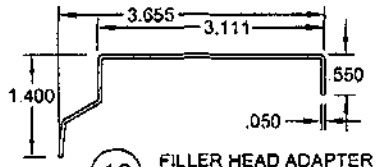
20 DOOR FRAME, JAMB 6063-T6



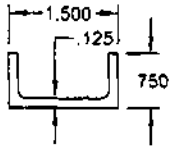
37 WEATHER STRIP CHANNEL 6063-T5



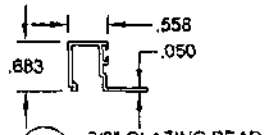
32 HINGE 6063-T5



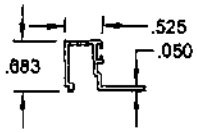
10 FILLER HEAD ADAPTER 6063-T6



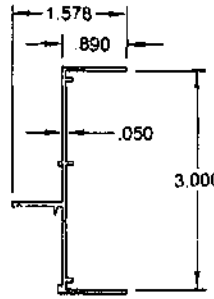
34 TRUSS CLAMP 6063-T5



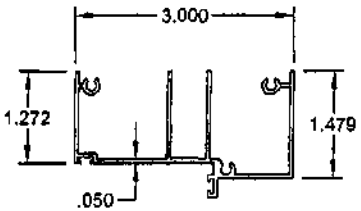
73 3/8" GLAZING BEAD 6063-T5



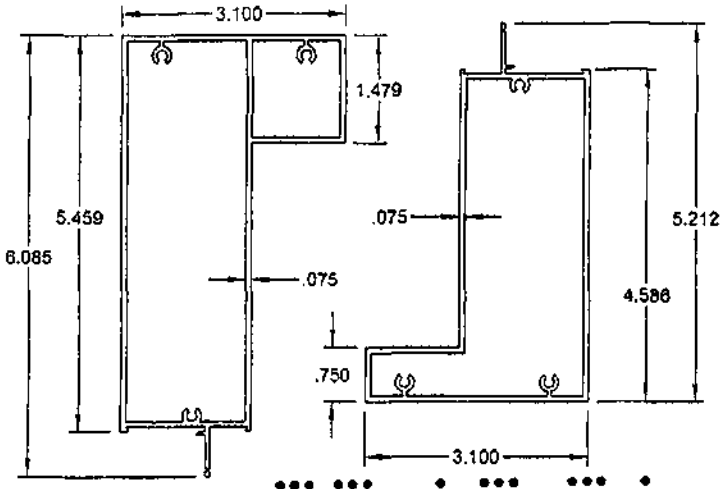
72 7/16" GLAZING BEAD 6063-T5



62 SL JAMB 6063-T6

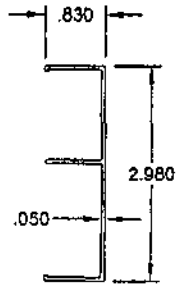


1 FRAME HEAD 6063-T6

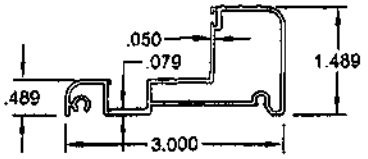


60 SL HEADER 6063-T6

61 SL SILL 6063-T6



66 SL JAMB ADAPTER 6063-T6



11 OUTSWING THRESHOLD 6063-T6

Approved as complying with the Florida Building Code
Date OCT 18, 2007
NOA# 07-0628.16
Miami Dade Product Control Division
By Greg I. Chanda

Revised By:	Date:	Revisions:	
F.K.	9/18/07	B	NO CHANGE THIS SHEET.
F.K.	8/14/07	A	ADD "DOOR" TO ITEM 20 & GLASS BED DIM. TO ITEMS 30, 31, 44, 45 & 62
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 7529
NOKOMIS, FL 34274

PGT Vanity Better

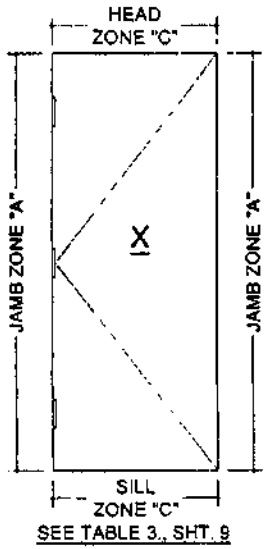
Description: EXTRUSION PROFILES

Title: ALUM. FRENCH DOOR & SIDE LITES, IMPACT

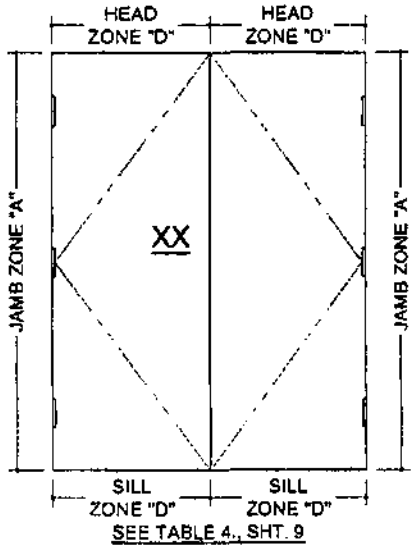
Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
FD101	1/2x	7 of 10	11005-1	B

9/21/07

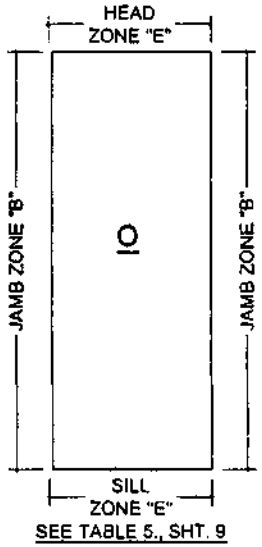
Robert L. Clark, P.E.
PE #30712
Structural



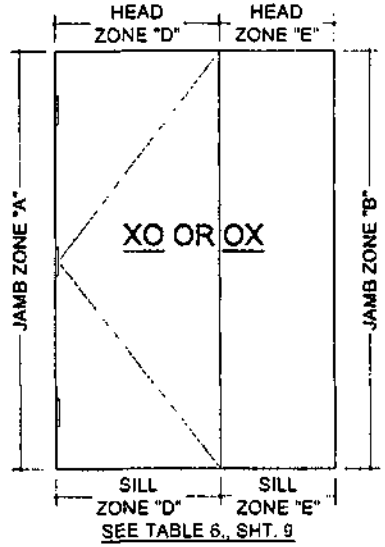
SEE TABLE 3., SHT. 9



SEE TABLE 4., SHT. 9



SEE TABLE 5., SHT. 9



SEE TABLE 6., SHT. 9

EXAMPLE ANCHORAGE SOLUTION FOR A CONCRETE OXXO INSTALLATION

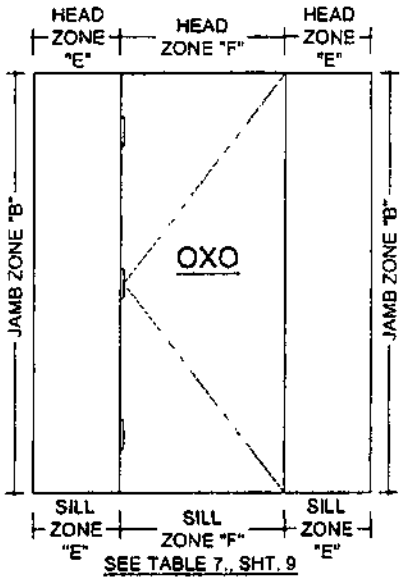
A. 19" x 83 3/4" SIDE LITES "B" AND "E" ZONE ANCHORS FROM TABLE 7, SHEET 9.

PLUS;

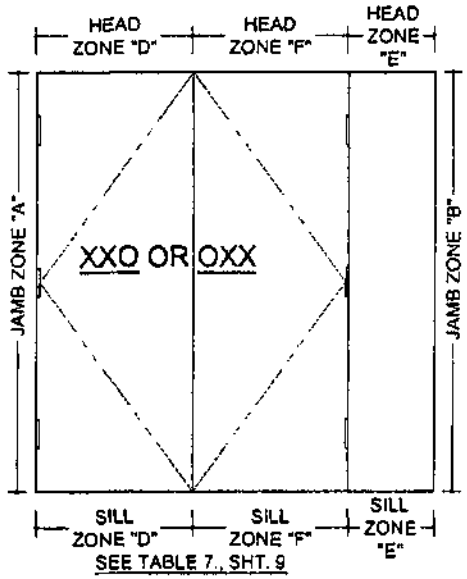
B. 71 3/4" x 83 3/4" XX DOOR ZONE "F" ANCHORS FROM TABLE 4, SHEET 9, EACH "F" ZONE.

SEE ENCIRCLED VALUES, SHEET 9

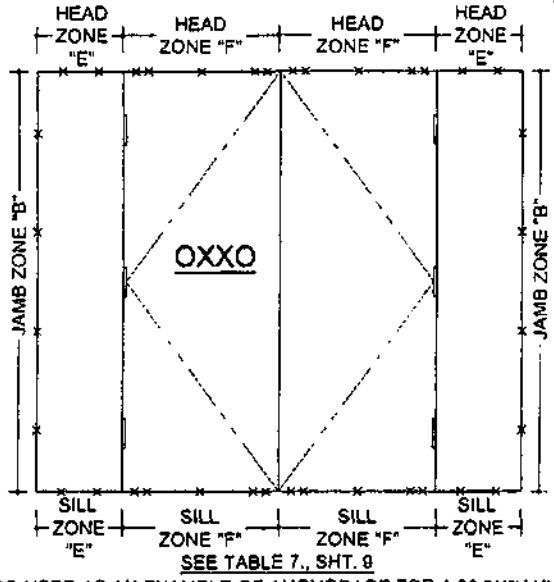
SOLUTION:
TOTALS (4) TYPE 1 OR 2 ANCHORS EACH JAMB AND 2+5+5+2 = (14) TYPE 1 OR 2 ANCHORS AT HEAD AND AT SILL.



SEE TABLE 7., SHT. 9



SEE TABLE 7., SHT. 9



SEE TABLE 7., SHT. 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)

NOTES:

1. APPROVED ANCHOR TYPES ARE: 1. 1/4" ELCO TAPCONS 2. 1/4" ELCO SS4 CRETE-FLEX MASONRY ANCHORS 3. #12 SCREWS
2. ANCHOR QUANTITIES ARE BASED ON SPACING AS FOLLOWS (3" MIN. O.C. FOR CONCRETE): SEE EXAMPLE, OXXO 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.
3. TO DETERMINE ANCHOR QUANTITIES FIND THE CONFIGURATION ABOVE THEN REFER TO THE APPROPRIATE TABLES ON SHEET 9.

Revised By:	Date:	Revisions:	
F.K.	9/18/07	B	NO CHANGE THIS SHEET.
F.K.	8/14/07	A	CHANGE 'XO' OR 'OX' ANCHOR ZONE FROM 'C' TO 'D'. ADD ANCHOR TYPES TO SOLUTION.
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 1659
NOKOMIS, FL 34274

PGT Trusted Better

Description: ANCHORAGE, CONFIGURATIONS
Title: ALUM. FRENCH DOOR & SIDE LITES, IMPACT

Contract/Job No.	Scale:	Sheet:	Drawing No.	Rev:
FD101	NTS	8 of 10	11005-1	B

Approved as complying with the Florida Building Code
Date OCT 18, 2007
NOA# 07-0629.10
Miami Dade Product Control Division
By: Shaq L. Chanda

9/25/07

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

TABLE 3. X DOORS

GLASS TYPES	A, B, C, D					
ANCHOR TYPE & SUBSTRATE	2,3, WOOD			1,2, CONC		
DOOR WIDTHS	LOAD ZONES					
"X" - 25.50 TO 37.50	X - JAMB "A"	X - HEAD/SILL "C"	X - HEAD/SILL "F" (USE W/ TABLE 7.)	X - JAMB "A"	X - HEAD/SILL "C"	X - HEAD/SILL "F" (USE W/ TABLE 7.)
WIDTH x HT.						
25.50 x 79.75	5	2	7	4	2	3
83.75	5	2	7	4	2	3
87.75	5	2	7	4	2	3
91.75	5	2	7	4	2	3
95.75	6	2	7	4	2	3
27.50 x 79.75	5	2	7	4	2	3
83.75	5	2	7	4	2	3
87.75	5	2	7	4	2	3
91.75	6	2	7	4	2	5
95.75	6	2	7	4	2	5
29.50 x 79.75	5	2	8	4	2	3
83.75	5	2	8	4	2	3
87.75	6	2	8	4	2	5
91.75	6	2	8	4	2	5
95.75	6	2	8	4	2	5
31.50 x 79.75	5	2	8	4	2	3
83.75	6	2	8	4	2	5
87.75	6	2	8	4	2	5
91.75	6	2	8	4	2	5
95.75	7	2	10	4	2	5
33.50 x 79.75	6	3	8	4	3	3
83.75	6	3	8	4	3	5
87.75	6	3	8	4	3	5
91.75	7	3	10	4	3	6
95.75	7	3	10	4	3	5
35.50 x 79.75	6	3	8	4	3	5
83.75	6	3	8	4	3	5
87.75	6	3	8	4	3	5
91.75	7	3	10	4	3	5
95.75	7	3	10	4	3	5
37.50 x 79.75	6	3	8	4	3	5
83.75	6	3	8	4	3	5
87.75	7	3	10	4	3	5
91.75	7	3	10	4	3	5
95.75	7	3	10	4	3	5

TABLE 4. XX DOORS (ALSO X DOOR OF XO & OX)

GLASS TYPES	A, B, C, D					
ANCHOR TYPE & SUBSTRATE	2,3, WOOD			1,2, CONC		
DOOR WIDTHS	LOAD ZONES					
"XX" - 47.75 TO 71.75	XX - JAMB "A"	XX - HEAD/SILL "C" (USE ALSO W/ TABLE 6.)	XX - HEAD/SILL "F" (USE W/ TABLE 7.)	XX - JAMB "A"	XX - HEAD/SILL "D" (USE ALSO W/ TABLE 6.)	XX - HEAD/SILL "F" (USE W/ TABLE 7.)
WIDTH x HT.						
47.75 x 79.75	4	3	6	4	2	3
83.75	5	4	7	4	2	3
87.75	5	4	7	4	2	3
91.75	5	4	7	4	2	3
95.75	5	4	7	4	2	3
51.75 x 79.75	5	4	7	4	2	3
83.75	5	4	7	4	2	3
87.75	5	4	7	4	2	3
91.75	5	4	7	4	2	3
95.75	6	4	7	4	3	5
55.75 x 79.75	5	4	7	4	2	3
83.75	5	4	7	4	2	3
87.75	5	4	7	4	2	3
91.75	6	4	7	4	3	5
95.75	6	4	8	4	3	5
59.75 x 79.75	5	5	8	4	2	3
83.75	5	5	8	4	2	3
87.75	6	5	8	4	3	5
91.75	6	5	8	4	3	5
95.75	6	5	8	4	3	5
63.75 x 79.75	5	5	8	4	2	3
83.75	6	5	8	4	3	5
87.75	6	5	8	4	3	5
91.75	6	5	8	4	3	5
95.75	7	6	10	4	3	5
67.75 x 79.75	6	5	8	4	3	5
83.75	6	5	8	4	3	5
87.75	6	5	8	4	3	5
91.75	7	6	10	4	3	5
95.75	7	6	10	4	3	5
71.75 x 79.75	6	5	8	4	3	5
83.75	6	5	9	4	3	5
87.75	6	5	9	4	3	5
91.75	7	6	10	4	3	5
95.75	7	6	10	4	3	5

TABLE 5. O SIDE LITE

GLASS TYPES	A, B, C, D			
ANCHOR TYPE & SUBSTRATE	2,3, WOOD		1,2, CONC	
WIDTHS	LOAD ZONES			
"O" - 10.75 TO 36.75	O - JAMB "B"	O - HEAD/SILL "E"	O - JAMB "B"	O - HEAD/SILL "E"
WIDTH x HT.				
10.75 x 79.75	4	1	4	1
83.75	4	1	4	1
87.75	4	1	4	1
91.75	4	1	4	1
95.75	4	1	4	1
12.75 x 79.75	4	2	4	2
83.75	4	2	4	2
87.75	4	2	4	2
91.75	4	2	4	2
95.75	4	2	4	2
19.00 x 79.75	4	2	4	2
83.75	4	2	4	2
87.75	4	2	4	2
91.75	4	2	4	2
95.75	4	2	4	2
21.75 x 79.75	4	2	4	2
83.75	4	2	4	2
87.75	4	2	4	2
91.75	5	2	4	2
95.75	5	2	4	2
27.75 x 79.75	5	2	4	2
83.75	5	2	4	2
87.75	5	2	4	2
91.75	6	2	4	2
95.75	6	2	4	2
36.13 x 79.75	6	3	4	3
83.75	6	3	4	3
87.75	7	3	4	3
91.75	7	3	4	3
95.75	7	3	4	3
36.75 x 79.75	6	3	4	3
83.75	6	3	4	3
87.75	7	3	4	3
91.75	7	3	4	3
95.75	7	3	4	3

TABLE 6. XO & OX

GLASS TYPES	A, B, C, D								
ANCHOR TYPE & SUBSTRATE	2,3, WOOD				1,2, CONC				
DOOR WIDTHS	LOAD ZONES								
"X" - 25.50 TO 37.50	O - JAMB "B"	O - HEAD/SILL "E"	X - HEAD/SILL "D"	X - JAMB "A"	O - JAMB "B"	O - HEAD/SILL "E"	X - HEAD/SILL "D"	X - JAMB "A"	
SIDE LITE WIDTH x HT.									
10.75 x 79.75	4	2			4	2			
83.75	4	2			4	2			
87.75	4	2			4	2			
91.75	4	2			4	2			
95.75	4	2			4	2			
12.75 x 79.75	4	2			4	2			
83.75	4	2			4	2			
87.75	4	2			4	2			
91.75	4	2			4	2			
95.75	4	2			4	2			
19.00 x 79.75	4	3			4	2			
83.75	4	3			4	2			
87.75	4	3			4	2			
91.75	4	3			4	2			
95.75	4	3			4	2			
21.75 x 79.75	4	3			4	2			
83.75	4	3			4	2			
87.75	4	3			4	2			
91.75	5	3			4	2			
95.75	5	3			4	2			
27.75 x 79.75	5	3			4	2			
83.75	5	3			4	2			
87.75	5	3			4	2			
91.75	6	3			4	3			
95.75	6	3			4	3			
36.13 x 79.75	6	4			4	3			
83.75	6	4			4	3			
87.75	7	5			4	3			
91.75	7	5			4	3			
95.75	7	5			4	3			
36.75 x 79.75	6	4			4	3			
83.75	6	4			4	3			
87.75	7	5			4	3			
91.75	7	5			4	3			
95.75	7	5			4	3			

USE JAMB ANCHOR FROM TABLE 3. AND SAME LINE HEAD QUANTITIES FROM TABLE 4. FOR DOOR WIDTH

USE JAMB ANCHOR FROM TABLE 3. AND SAME LINE HEAD QUANTITIES FROM TABLE 4. FOR DOOR WIDTH

TABLE 7. OXO, XXO, OXX & OXXO

GLASS TYPES	A, B, C, D					
ANCHOR TYPE & SUBSTRATE	2,3, WOOD			1,2, CONC		
DOOR WIDTHS	LOAD ZONES					
"X" - 25.50 TO 37.50 "XX" - 47.75 TO 71.75	O - JAMB "B"	O - HEAD/SILL "E"	X,XX - HEAD/SILL "F"	O - JAMB "B"	O - HEAD/SILL "E"	X,XX - HEAD/SILL "F"
SIDE LITE WIDTH x HT.						
10.75 x 79.75	4	2		4	2	
83.75	4	2		4	2	
87.75	4	2		4	2	
91.75	4	2		4	2	
95.75	4	2		4	2	
12.75 x 79.75	4	2		4	2	
83.75	4	2		4	2	
87.75	4	2		4	2	
91.75	4	2		4	2	
95.75	4	2		4	2	
19.00 x 79.75	4	3		4	2	
83.75	4	3		4	2	
87.75	4	3		4	2	
91.75	4	3		4	2	
95.75	4	3		4	2	
21.75 x 79.75	4	3		4	2	
83.75	4	3		4	2	
87.75	4	3		4	2	
91.75	5	3		4	2	
95.75	5	3		4	2	
27.75 x 79.75	5	3		4	2	
83.75	5	3		4	2	
87.75	5	3		4	2	
91.75	6	3		4	3	
95.75	6	3		4	3	
36.13 x 79.75	6	4		4	3	
83.75	6	4		4	3	
87.75	7	5		4	3	
91.75	7	5		4	3	
95.75	7	5		4	3	
36.75 x 79.75	6	4		4	3	
83.75	6	4		4	3	
87.75	7	5		4	3	
91.75	7	5		4	3	
95.75	7	5		4	3	

USE ANCHOR QUANTITIES FROM TABLE 3. OR 4. FOR EACH ZONE OF APPLICABLE DOOR WIDTH

USE ANCHOR QUANTITIES FROM TABLE 3. OR 4. FOR EACH ZONE OF APPLICABLE DOOR WIDTH

APPROVED ANCHOR TYPES:

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.

Approved as complying with the Florida Building Code
Date OCT 18, 2007
NOA# 07-0629.10
Miami-Dade Product Control Division
By Ishaq I. Chanda

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

Revised By:	Date:	Revisions:	
Revised By: F.K.	Date: 9/18/07	Revisions: B	NO CHANGE THIS SHEET.
Revised By: F.K.	Date: 8/14/07	Revisions: A	ADD "ALSO USE W/ TABLE 6 TO TABLE 4., "O", CHANGE TABLE 6., HEAD ZONE "C" TO "D" AND COLUMN REFERENCE, ADD "G5" TO ANCHOR TYPE 3.
Drawn By: F.K.	Date: 2/22/07	Checked By: J.J.	Date: 6/21/07

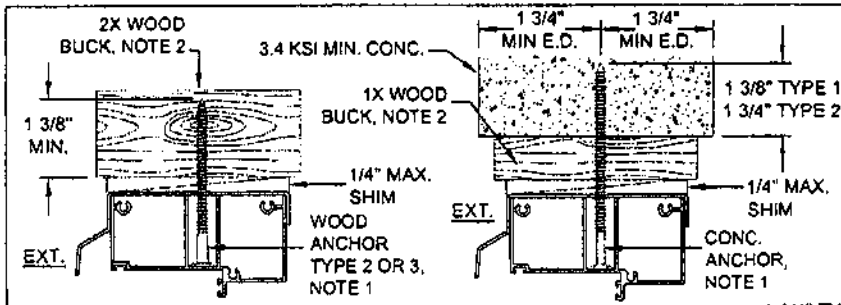
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

PGT Visibly Better

Description: ANCHOR QUANTITY LOAD ZONE TABLES

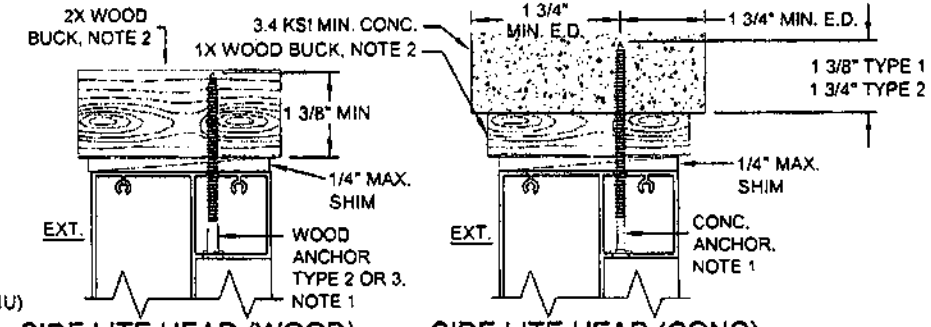
Title: ALUM. FRENCH DOOR & SIDE LITES, IMPACT

Series/Model:	Scale:	Sheet:	Drawing No.	Rev.
FD101	NA	9 of 10	11005-1	B



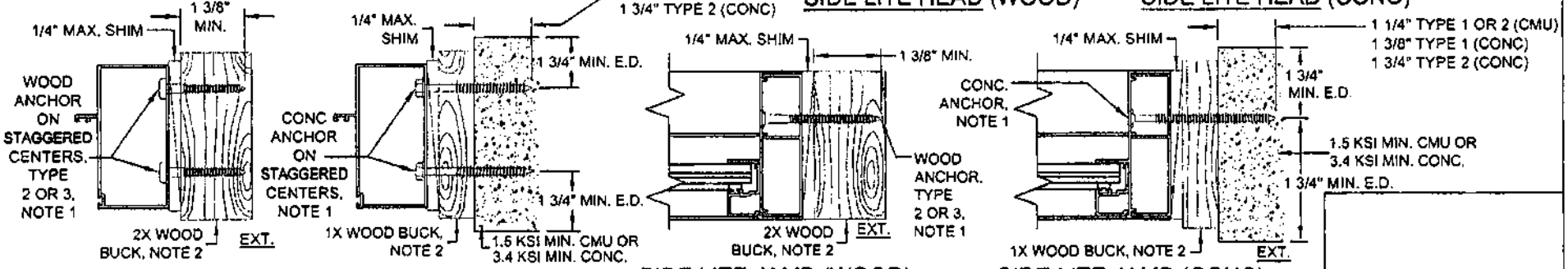
DOOR HEAD (WOOD)

DOOR HEAD (CONC)



SIDE LITE HEAD (WOOD)

SIDE LITE HEAD (CONC)

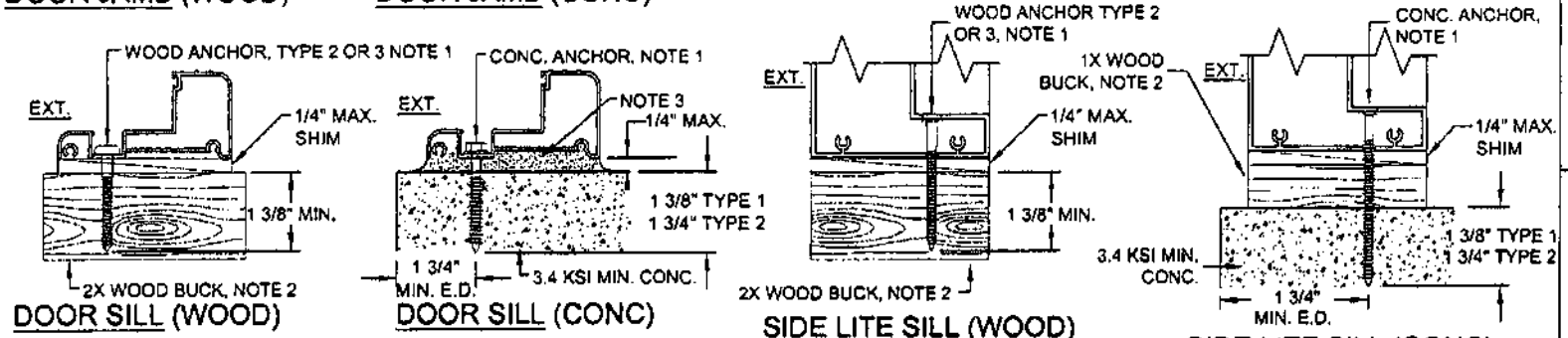


DOOR JAMB (WOOD)

DOOR JAMB (CONC)

SIDE LITE JAMB (WOOD)

SIDE LITE JAMB (CONC)



DOOR SILL (WOOD)

DOOR SILL (CONC)

SIDE LITE SILL (WOOD)

SIDE LITE SILL (CONC)

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 SUCKS 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:	Revisions:	
F.K.	9/18/07	B	NO CHANGE THIS SHEET.
F.K.	8/14/07	A	SPEC. TYPE 1 & 2 EMBED. ON CONC. DETAILS. SPEC. TYPE 2 & 3 ON WOOD DETAILS. ADD ANCHOR TYPES TO NOTE 1.
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 1589
NOKOMIS, FL 34274

PGT Visibly Better

Description: ANCHORAGE DETAILS

Title: ALUM. FRENCH DOOR & SIDE LITES, IMPACT

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
FD101	NTS	10 of 10	11005-1	8

Approved as noted to comply with the Florida Building Code
Date OCT 18 2007
NOA# 07-0625.10
Miami Dade Product Control Division
By Shaq I. Clarke

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

8 FARREY LN.

B1101870

MIAMI-DADE COUNTY

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METROPOLITAN FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 372-6339
www.maimidade.gov/buildingcode

NOTICE OF ACCEPTANCE (NOA)

PGT Industries
1070 Technology Drive
Nokomis, FL 34274

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 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.**

MIAMI-DADE COUNTY APPROVED

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 IIIG 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 1/3-1/3-1/3 "XOX" & "O" CONFIGURATIONS SEE SHEET 7.
   - G. FOR 1/3-1/3-1/3 "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.

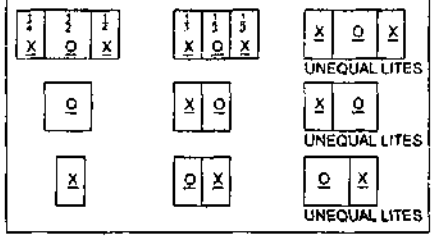
HEAD & SILL: MAX. 4" FROM CORNERS
MAX. 4" & 7" ON EACH SIDE OF MEETING RAILS
MAX. 14 1/2" SPACING ON VENTS
MAX. 13" SPACING ON FIXED LITES
(2) ANCHORS 3" APART AT MID-SPAN ON FIXED LITE ONLY

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

PRODUCT REVISED
to comply with the Florida Building Code
Acceptance No. 05-1129.11
Expiration Date 05/22/10
By: [signature]
Miami-Dade Product Control Division

PRODUCT REVISED
to comply with the Florida Building Code
Acceptance No. 08-0117.11
Expiration Date: Mar 22, 2013
By: [signature]
Miami-Dade Product Control Division

[signature]
11/21/05

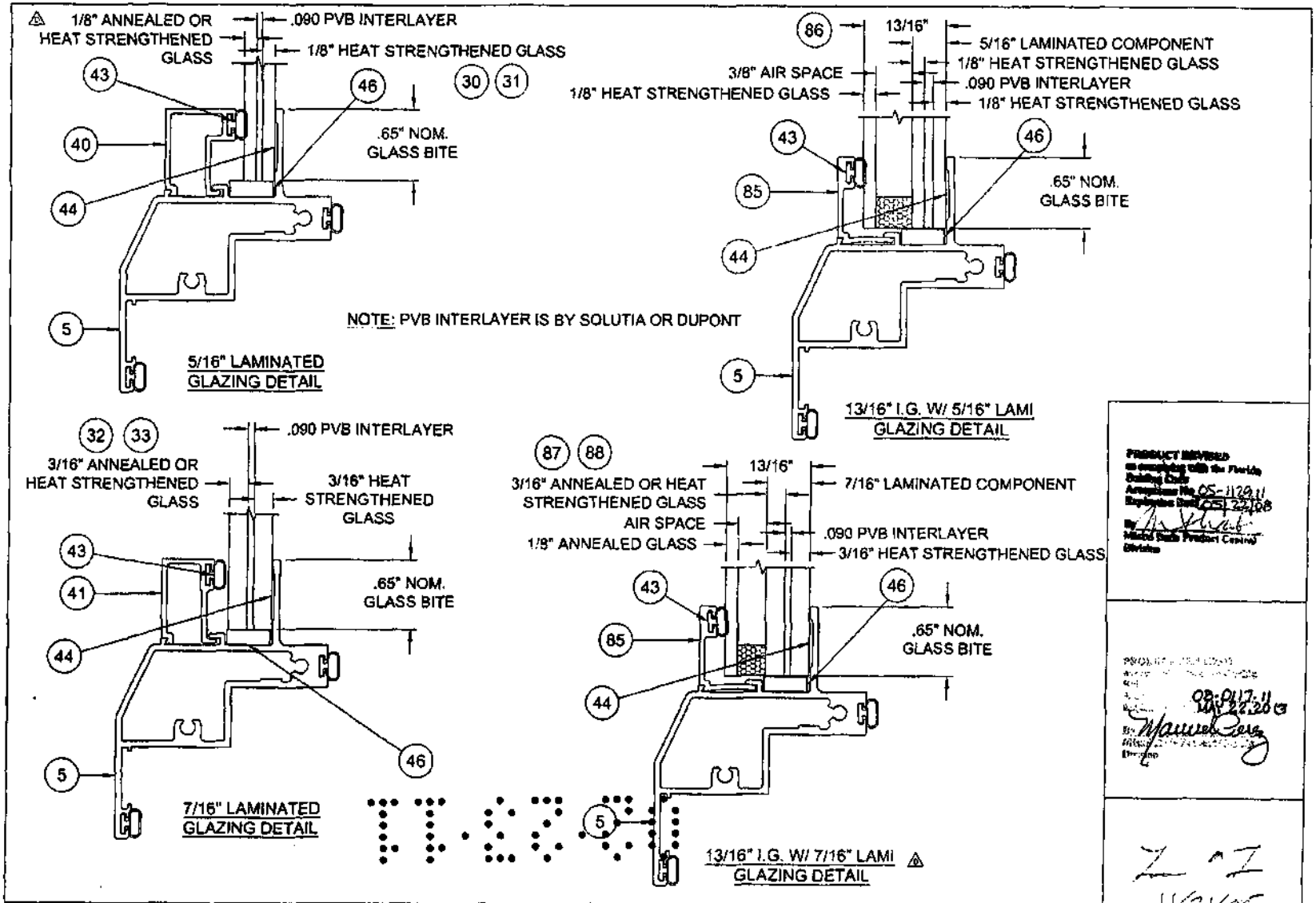
Lucas A. Turner, P.E.
PE #58201
Mechanical

Revised By	Date	Revisions	
F.K.	3/25/03	B	ADD 13/16" I.G. & MOVE GLAZING DETAILS TO SHEET 2
F.K.	7/16/03	C	NO CHANGE THIS SHEET
F.K.	6/23/05	D	ADD 75" HT., GLASS TYPES F AND G. REVISE ANCHORAGE.
Drawn By: F.K.	Date: 12/17/02	Checked By:	Date:

3570 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

PGT Visibly Better

Description: NOTES AND TABLE OF CONTENTS
For: ALUMINUM CASEMENT WINDOW, IMPACT
Series/Model: CA-740 | Scale: NTS | Sheet: 1 of 13 | Drawing No.: 7045-8 | Rev: D



PRODUCT REVISED
in compliance with the Florida Building Code
Acceptance No. 05-1129.11
Expiration Date: 05.22.08
By: Miami-Dade Product Control Division

08-0117.11
Exp. 05.22.08
By: Manuel Perez
Miami-Dade Product Control Division

Z ^ I
11/21/05

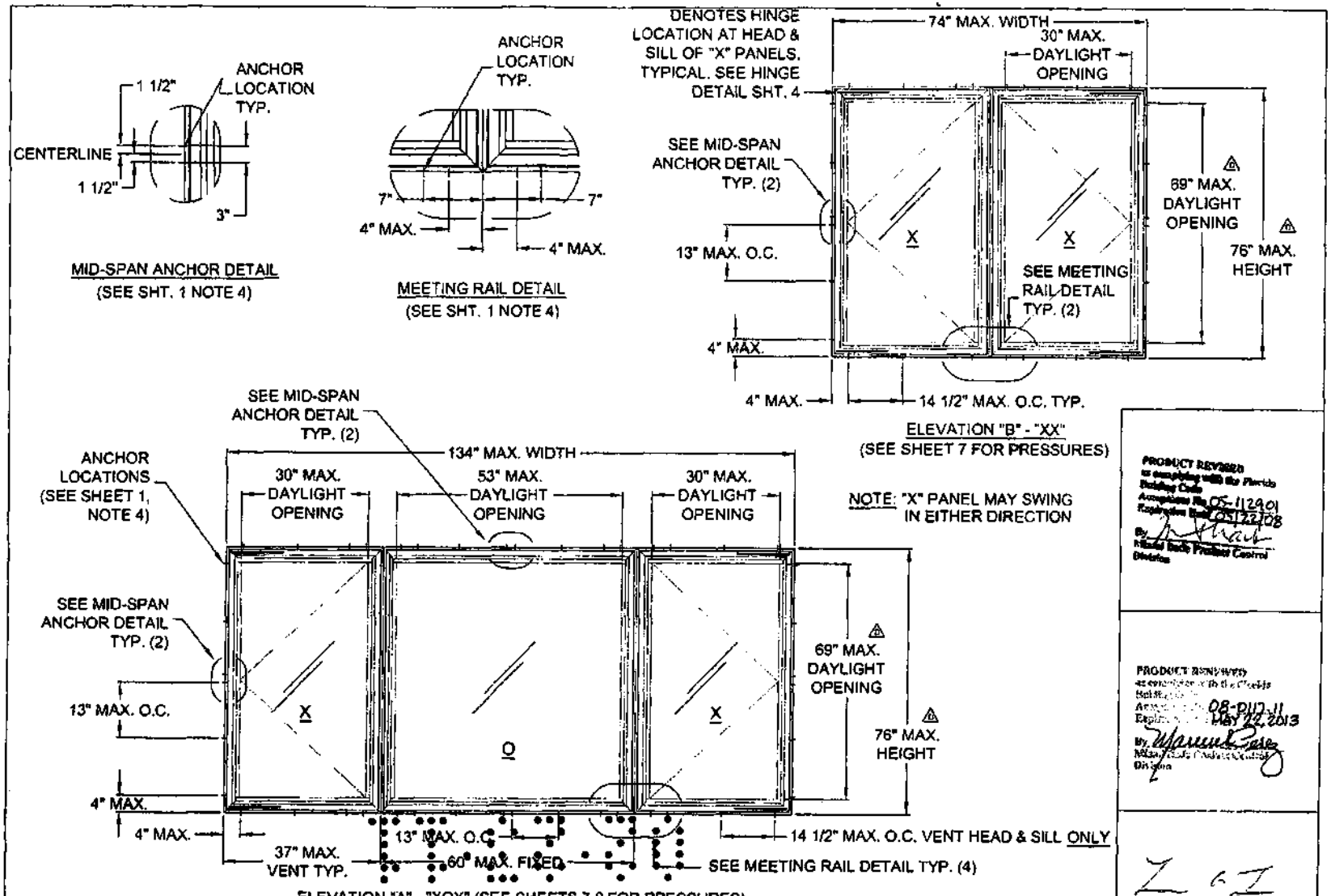
Lucas A. Turner, P.E.
PE #56201
Mechanical

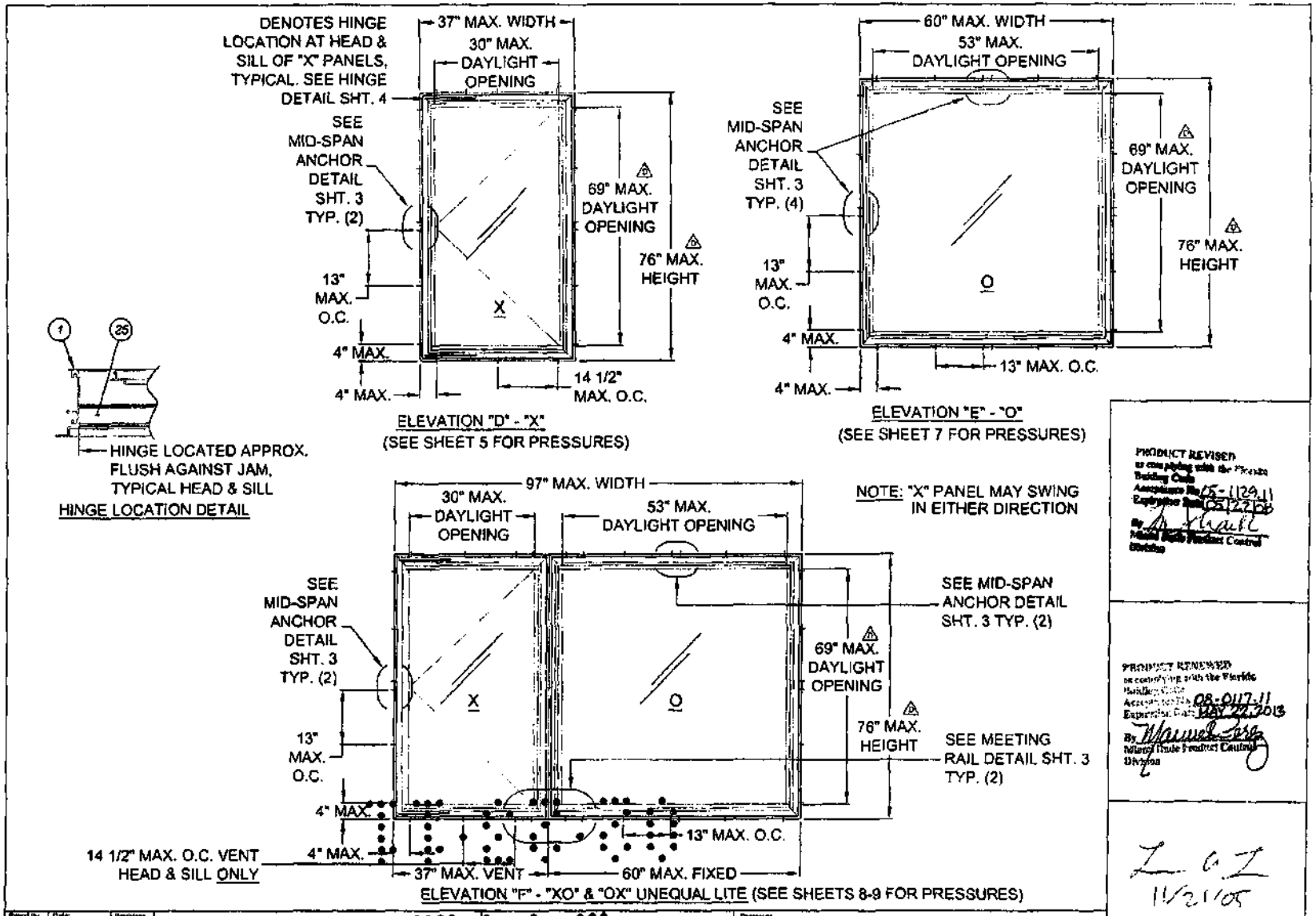
Revised By	Date	Revisions	
F.K.	3/25/03	B	REDRAW GLAZING DETAILS & ADD 13/16" I.G.
F.K.	7/10/03	C	NO CHANGE THIS SHEET
F.K.	6/23/05	D	ADD 13/16" LAMI I.G. W/ 7/16"LAMI & CORRECT 5/16" LAMI DETAIL
Drawn By: F.K.	Date: 03/25/03	Checked By:	Date:

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

PGT
Visibly Better

Description: GLAZING DETAILS
File: ALUMINUM CASEMENT WINDOW, IMPACT
Series/Model: CA-745
Scale: NTS
Sheet: 2 of 13
Drawing No.: 7045-6
Rev.: D


1 1/2"
ANCHOR LOCATION TYP.
CENTERLINE
1 1/2"
3"
MID-SPAN ANCHOR DETAIL
(SEE SHT. 1 NOTE 4)
ANCHOR LOCATION TYP.
7"
7"
4" MAX.
4" MAX.
MEETING RAIL DETAIL
(SEE SHT. 1 NOTE 4)
DENOTES HINGE LOCATION AT HEAD & SILL OF "X" PANELS. TYPICAL. SEE HINGE DETAIL SHT. 4
74" MAX. WIDTH
30" MAX. DAYLIGHT OPENING
SEE MID-SPAN ANCHOR DETAIL TYP. (2)
13" MAX. O.C.
4" MAX.
X
X
SEE MEETING RAIL DETAIL TYP. (2)
69" MAX. DAYLIGHT OPENING
76" MAX. HEIGHT
4" MAX.
14 1/2" MAX. O.C. TYP.
ELEVATION "B" - "XX"
(SEE SHEET 7 FOR PRESSURES)
SEE MID-SPAN ANCHOR DETAIL TYP. (2)
134" MAX. WIDTH
ANCHOR LOCATIONS (SEE SHEET 1, NOTE 4)
30" MAX. DAYLIGHT OPENING
53" MAX. DAYLIGHT OPENING
30" MAX. DAYLIGHT OPENING
NOTE: "X" PANEL MAY SWING IN EITHER DIRECTION
SEE MID-SPAN ANCHOR DETAIL TYP. (2)
13" MAX. O.C.
4" MAX.
4" MAX.
X
O
X
69" MAX. DAYLIGHT OPENING
76" MAX. HEIGHT
37" MAX. VENT TYP.
13" MAX. O.C.
60" MAX. FIXED
14 1/2" MAX. O.C. VENT HEAD & SILL ONLY
SEE MEETING RAIL DETAIL TYP. (4)
ELEVATION "A" - "XOX" (SEE SHEETS 7-9 FOR PRESSURES)
PRODUCT REVIEWED
08-0117-11
May 22, 2013
Z 6 I
1/21/05
Lucas A. Turner, P.E
PE #58201
Mechanical
F.K. 3/24/03 B CHANGE SHEET NO. REFERENCES
F.K. 7/10/03 C ADD HINGE LOCATION DETAILS
F.K. 6/23/05 D CHANGE MAX. HT. TO 76" AND MAX. DLO TO 69"
F.K. 12/17/02
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275
P.O. BOX 1529 NOKOMIS, FL 34274
PGT
"XX" & "XOX" ELEVATIONS
ALUMINUM CASEMENT WINDOW, IMPACT
CA-748
NTS
3 of 13
7045-8
D


DENOTES HINGE LOCATION AT HEAD & SILL OF "X" PANELS, TYPICAL. SEE HINGE DETAIL SHT. 4
37" MAX. WIDTH
30" MAX. DAYLIGHT OPENING
SEE MID-SPAN ANCHOR DETAIL SHT. 3 TYP. (2)
69" MAX. DAYLIGHT OPENING
76" MAX. HEIGHT
13" MAX. O.C.
4" MAX.
4" MAX.
14 1/2" MAX. O.C.
X
ELEVATION "D" - "X"
(SEE SHEET 5 FOR PRESSURES)
60" MAX. WIDTH
53" MAX. DAYLIGHT OPENING
SEE MID-SPAN ANCHOR DETAIL SHT. 3 TYP. (4)
69" MAX. DAYLIGHT OPENING
76" MAX. HEIGHT
13" MAX. O.C.
4" MAX.
4" MAX.
13" MAX. O.C.
O
ELEVATION "E" - "O"
(SEE SHEET 7 FOR PRESSURES)
1
25
HINGE LOCATED APPROX. FLUSH AGAINST JAM, TYPICAL HEAD & SILL
HINGE LOCATION DETAIL
97" MAX. WIDTH
30" MAX. DAYLIGHT OPENING
53" MAX. DAYLIGHT OPENING
NOTE: "X" PANEL MAY SWING IN EITHER DIRECTION
SEE MID-SPAN ANCHOR DETAIL SHT. 3 TYP. (2)
SEE MID-SPAN ANCHOR DETAIL SHT. 3 TYP. (2)
69" MAX. DAYLIGHT OPENING
76" MAX. HEIGHT
SEE MEETING RAIL DETAIL SHT. 3 TYP. (2)
13" MAX. O.C.
4" MAX.
4" MAX.
13" MAX. O.C.
14 1/2" MAX. O.C. VENT HEAD & SILL ONLY
37" MAX. VENT
60" MAX. FIXED
X
O
ELEVATION "F" - "XO" & "OX" UNEQUAL LITE (SEE SHEETS 8-9 FOR PRESSURES)
PRODUCT REVISED
Expiration Date: 05-12-08
PRODUCT REVIEWED
Expiration Date: 08-0117-11 MAY 22 2013
Revised By F.K. Date 3/25/03 Rev. B CHANGE SHEET NO. REFERENCES
Revised By F.K. Date 10/13/05 Rev. C ADD HINGE DETAIL & HINGE LOCATION NOTES
Revised By F.K. Date 7/10/03 Rev. D CHANGE MAX. HT. TO 76" AND MAX. DLO TO 69"
Drawn By F.K. Date 12/17/02 Checked By F.K. Date
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275
P.O. BOX 1529 NOKOMIS, FL 34274
PGT Visibly Better
"X", "O", "XO" & "OX" ELEVATIONS
ALUMINUM CASEMENT WINDOW, IMPACT
Series/Model CA-740
Scale NTS
Sheet 4 of 13
Drawing No. 7045-8
Rev D
Linda A. Turner, P.E. PE #56201 Mechanical
11/21/05

COMPARATIVE ANALYSIS TABLE 1. "X" WINDOWS TEST REPORTS: FTL-3582, FTL-3587, FTL-3729

GLAZING OPTIONS: A. 5/16" LAMI (1/8"A,.090,1/8"HS) 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)

"X" WIDTH		HEIGHT																									
		26		31		36		38 3/8		43		48		50 5/8		54		57		60		63		66		69		72	
		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
19 1/8	A	-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	-90.0	70.0	-90.0	70.0
	B,E	-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	-90.0	70.0	-90.0	70.0
24	A	-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	-89.6	70.0	-86.3	70.0	-84.2	70.0	-83.2	70.0	-81.7	70.0
	B,E	-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	-90.0	70.0	-90.0	70.0	-90.0	70.0
26 1/2	A	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-83.6	70.0	-79.9	70.0	-75.4	70.0	-72.4	70.0	-69.9	69.9	-67.8	67.8	-66.2	66.2	-65.0	65.0	-63.7	63.7
	B,E	-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	-90.0	70.0	-90.0	70.0	-90.0	70.0
30	A	-90.0	70.0	-90.0	70.0	-90.0	70.0	-87.4	70.0	-77.6	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	-51.3	51.3	-49.8	49.8	-48.3	48.3
	B,E	-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	-90.0	70.0	-90.0	70.0	-90.0	70.0
32	A	-90.0	70.0	-90.0	70.0	-86.3	70.0	-81.0	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	-45.6	45.6	-43.9	43.9	-42.2	42.2
	B,E	-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	-90.0	70.0	-87.8	70.0	-84.4	70.0
34	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-65.5	65.5	-57.5	57.5	-54.9	54.9	-51.8	51.8	-48.6	48.6	-45.2	45.2	-42.4	42.4						
	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						
36	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						
37	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						
	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						

TABLE 2. "X" WINDOWS TEST REPORTS: FTL-3580, FTL-3587

GLAZING OPTION: C. 7/16" LAMI (3/16"A,.090,3/16"HS)		
ALL "X" SIZES UP TO 37" WIDE x 63" HIGH AND ALL "X" SIZES UP TO 32" WIDE x 72" HIGH	-90.0	70.0

TABLE 2A. "X" WINDOWS TEST REPORTS: 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 "X" SIZES UP TO 37" WIDE x 76" HIGH	-55.0	55.0

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. FX-11269.1
Expiration Date: 05/22/08
By: Miami-Dade Product Control Division

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 08-0117.11
Expiration Date: May 27, 2013
By: Miami-Dade Product Control Division

X

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.

Revised By	Date	Revisions	
F.K.	3/23/03	B	ADD GLASS TYPE E TO TABLES 1 & 4
F.K.	7/10/03	C	NO CHANGE THIS SHEET
F.K.	6/23/05	D	REVISE ANCHORS & ADD 76" HEIGHT OPTION
Drawn By: F.K.	Date: 12/17/02	Checked By:	Date:

1000 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1528
VENICE, FL 34284

PGT Visibly Better

Description: PRESSURES- X CONFIG. WINDOWS
Title: ALUMINUM CASEMENT WINDOW, IMPACT

Series/Model	Scale	Sheet	Drawing No.	Rev.
CA-740	NTS	5 of 13	7045-8	D

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

COMPARATIVE ANALYSIS TABLE 3.		"XX" WINDOWS																						TEST REPORTS: FTL-3582
GLAZING OPTION: A. 5/16" LAMI (1/8"A,.090,1/8"HS)																								
"XX" WIDTH		HEIGHT																						
		26		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	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	
43	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	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	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	-72.1	70.0	-69.5	69.5	-67.5	67.5	
57	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-74.4	70.0	-69.6	69.6	-65.2	65.2	-63.0	63.0	-60.8	60.8	-58.0	58.0	
60	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-66.4	66.4	-63.9	63.9	-60.0	60.0	-58.5	58.5	-56.2	56.2	-53.4	53.4	
64	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	
68	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-65.5	65.5	-57.5	57.5	-54.9	54.9	-51.8	51.8	-48.6	48.6	-45.2	45.2	-42.4	42.4	
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	
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	-49.9	49.9	-46.4	46.4	-43.5	43.5	-41.1	41.1	-38.6	38.6	

TABLE 4.	"XX" 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 "XX" SIZES UP TO 74" WIDE x 63" HIGH	-75.0	70.0	

TABLE 5.	"XX" WINDOWS	TEST REPORT: FTL-3580	
GLAZING OPTION: C. 7/16" LAMI (3/16"A,.090,3/16"HS)			
	ALL "XX" SIZES UP TO 74" WIDE x 63" HIGH	-90.0	70.0

TABLE 5A.	"XX" 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 "XX" SIZES UP TO 74" 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 P.S.F.

Revised By	Date	Revisions	
Revised By	Date	Revisions	
Revised By: F.K.	Date: 6/23/05	Revisions: D	REVISE ANCHORS & ADD TABLES 76" HEIGHT OPTION
Drawn By: F.K.	Date: 12/17/02	Checked By:	Date

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
VENICE, FL 34284

PGT Visibly Better

Description: PRESSURES- XX CONFIG. WINDOWS
Title: ALUMINUM CASEMENT WINDOW, IMPACT
Series/Option: CA-740 | Scale: NTS | Sheet: 8 of 13 | Drawing No.: 7045-8 | Rev: D

X	X

PRODUCT REVISED
in compliance with the Florida Building Code
Acceptance No. 05-1124.11
Expiration Date: DEC 22 '08
By: [signature]
Miami-Dade Product Control Division

PRODUCT RENEWED
in compliance with the Florida Building Code
Acceptance No. 08-0112.11
Expiration Date: MAY 14 2013
By: [signature]
Miami-Dade Product Control Division

[signature]
11/21/08

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

COMPARATIVE ANALYSIS TABLE 6. "O" & "1/4-1/2-1/4 XOX" WINDOWS TEST REPORTS: FTL-3582, FTL-3720, FTL-4607, FTL-4608

GLAZING OPTIONS: A. 5/16" LAMI (1/8"A..090,1/8"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																									
			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
35	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	-47.8	47.8	-44.6	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	-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
37	74	A	-75.0	70.0	-75.0	70.0	-73.7	70.0	-67.9	67.9	-58.0	58.0	-52.8	52.8	-49.9	49.9	-46.4	46.4	-43.5	43.5	-41.1	41.1	-38.6	38.6						
		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	79	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	-38.6	38.6	-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	-87.4	70.0	-83.2	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	-63.3	63.3	-56.4	56.4	-53.4	53.4	-50.0	50.0	-46.9	46.9	-44.3	44.3	-41.9	41.9						
		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						
		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	-84.5	70.0	-79.7	70.0	-75.6	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	-54.6	54.6	-59.3	59.3	-53.6	53.6	-50.9	50.9	-47.5	47.5	-44.7	44.7	-42.1	42.1	-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	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-86.2	70.0	-81.6	70.0	-76.9	70.0	-72.4	70.0	-69.2	69.2	-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	-55.1	55.1	-51.4	51.4	-48.6	48.6	-45.3	45.3	-42.5	42.5	-40.4	40.4	-38.4	38.4						
		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	-86.0	70.0	-80.9	70.0	-75.0	70.0	-70.7	70.0	-67.3	67.3	-64.1	64.1	-55.0	55.0	-55.0	55.0	-53.2	53.2
50 1/2	101	A	-75.0	70.0	-60.8	60.8	-51.3	51.3	-48.3	48.3	-52.7	52.7	-48.7	48.7	-46.9	46.9	-43.5	43.5	-41.3	41.3	-39.2	39.2	-37.1	37.1						
		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	-74.3	70.0						
		C,F	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-81.2	70.0	-75.7	70.0	-70.3	70.0	-66.8	66.8	-63.5	63.5	-60.5	60.5	-55.0	55.0	-52.6	52.6	-49.8	49.8
53 1/8	106 3/8	A	-75.0	70.0	-58.7	58.7	-48.7	48.7	-45.4	45.4	-50.0	50.0	-46.1	46.1	-44.2	44.2	-42.2	42.2	-40.1	40.1	-38.0	38.0	-36.2	36.2						
		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	-72.4	70.0						
		C,F	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-88.6	70.0	-76.4	70.0	-71.1	70.0	-66.5	66.5	-63.0	63.0	-60.0	60.0	-57.3	57.3	-53.6	53.6	-49.4	49.4	-46.2	46.2
54	108	A	-75.0	70.0	-58.2	58.2	-47.9	47.9	-44.5	44.5	-49.1	49.1	-45.3	45.3	-43.4	43.4	-41.9	41.9	-39.8	39.8	-37.6	37.6	-35.9	35.9						
		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	-71.8	70.0						
		C,F	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-86.9	70.0	-75.0	70.0	-70.1	70.0	-65.4	65.4	-61.8	61.8	-59.1	59.1	-56.4	56.4	-52.8	52.8	-48.4	48.4	-45.2	45.2
55 1/2	111	A	-75.0	70.0	-57.1	57.1	-46.4	46.4	-43.3	43.3	-47.5	47.5	-43.9	43.9	-42.2	42.2	-40.6	40.6	-39.1	39.1	-37.2	37.2	-35.4	35.4						
		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	-74.3	70.0	-70.8	70.0						
		C,F	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-84.3	70.0	-72.5	70.0	-68.4	68.4	-63.6	63.6	-60.1	60.1	-57.5	57.5	-54.8	54.8	-51.1	51.1	-46.8	46.8	-43.6	43.6
57	114	A	-75.0	70.0	-56.2	56.2	-44.8	44.8	-42.1	42.1	-46.2	46.2	-42.5	42.5	-41.2	41.2	-39.6	39.6	-38.5	38.5	-36.7	36.7	-34.8	34.8						
		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	-73.3	70.0	-69.6	69.6						
		C,F	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-81.8	70.0	-70.7	70.0	-66.7	66.7	-61.8	61.8	-58.7	58.7	-55.9	55.9	-53.2	53.2	-49.4	49.4	-45.2	45.2	-42.6	42.6
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	-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	-72.2	70.0	-68.4	68.4						
		C,F	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-79.4	70.0	-69.0	69.0	-64.9	64.8	-60.4	60.4	-57.3	57.3	-54.5	54.5	-51.6	51.6	-47.8	47.8	-43.6	43.6	-41.7	41.7
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	-39.2	39.2	-37.6	37.6	-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	-73.3	70.0	-71.0	70.0	-67.4	67.4						
		C,F	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-77.1	70.0	-67.3	67.3	-63.3	63.3	-59.1	59.1	-55.9	55.9	-53.0	53.0	-50.0	50.0	-46.3	46.3	-42.8	42.8	-40.8	40.8

TABLE 7. "O" & "1/4-1/2-1/4 XOX" WINDOWS TEST REPORT: FTL-3580

GLAZING OPTION: D. 7/16" LAMI (3/16"HS,.090,3/16"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

TABLE 7A. "O" & "1/4-1/2-1/4 XOX" WINDOWS TEST REPORTS: 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 "O" SIZES UP TO 60" WIDE x 76" HIGH AND ALL "1/4-1/2-1/4 XOX" SIZES UP TO 120" WIDE x 76" HIGH	-55.0	55.0

NOTES: 1. FOR INSTALLATIONS IN WOOD OR CONCRETE TO USE 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.

Revised By	Date	Revision	
F.K.	3/25/03	B	ADD GLASS TYPE F TO TABLE 6
F.K.	7/10/03	C	NO CHANGE THIS SHEET
F.K.	8/23/05	D	CHANGE ANCHORS AND ADD 76" HT. OPTION
Drawn By: F.K	Date: 12/17/02	Checked By:	Date:

1200 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1328
NOKOMIS, FL 34274

PGT Truly Better

PRESSURES- O & 1/4-1/2-1/4 XOX CONFIG. WINDOWS

ALUMINUM CASEMENT WINDOW, IMPACT

Development	Scale	Sheet	Drawing No.	Rev.
CA-740	NTS	7 x 13	7045-8	D

1/4	1/2	1/4
X	O	X

O

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 08-0117.11
Expiration Date: DEC 22 2009
By: Miami-Dade Product Control Division

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 08-0117.11
Expiration Date: May 22, 2013
By: Miami-Dade Product Control Division

11/21/05

Lucas A. Turner, P.E.
PE #55201
Mechanical

COMPARATIVE ANALYSIS TABLE 8.			"XO" OR "OX" & "1/3-1/3-1/3 XOX" WINDOWS																						TEST REPORT: FTL-3582
GLAZING OPTION: A. 5/16" LAMI (1/8"A,.090,1/8"HS)																									
			HEIGHT																						
"XO" WIDTH	"XOX" WIDTH		26		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	-72.1	70.0	-69.5	69.5	-67.5	67.5	
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	-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 XOX" 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 XOX" SIZES UP TO 111" WIDE x 63" HIGH		-75.0	70.0

TABLE 10.	"XO" or "OX" & "1/3-1/3-1/3 XOX" 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 XOX" SIZES UP TO 111" WIDE x 63" HIGH		-90.0	70.0

TABLE 10A.	"XO" or "OX" & "1/3-1/3-1/3 XOX" 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 XOX" 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.

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

X	O

O	X

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. OR-1129-11
Expiration Date: 05/22/08
By: Miami-Dade Product Control Division

PRODUCT REVIEWED
as complying with the Florida Building Code
Acceptance No. OR-0117-11
Expiration Date: MAY 22, 2013
By: Miami-Dade Product Control Division

Revised By	Date	Revision	
F.K.	3/25/03	B	ADD GLASS TYPE E TO TABLE 9
F.K.	7/10/03	C	NO CHANGE THIS SHEET
F.K.	6/23/05	D	CHANGE ANCHORS AND ADD 76" HEIGHT OPTION
Drawn By: F.K.	Date: 12/17/02	Checked By:	Date:

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

PGT Visibly Better

Description: PRESSURES- XO, OX, & 1/3-1/3-1/3 XOX WINDOWS
Title: ALUMINUM CASEMENT WINDOW, IMPACT
Series/Model: CA-740 | Scale: NTS | Sheet: 8 of 13 | Drawing No.: 7045-8 | Rev: D

11/21/05

Lucas A. Turner P.E.
PE #58201
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,.090,1/8"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
69.264	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	-56.1	56.1	-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						
			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	-55.0	55.0	-55.0	55.0	-55.0	55.0
88.918	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	-73.8	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	-89.4	70.0	-85.2	70.0	-55.0	55.0	-55.0	55.0	-55.0	55.0
95.973	27	42.973	A	-75.0	70.0	-60.5	60.5	-57.2	57.2	-52.1	52.1	-55.2	55.2	-52.6	52.6	-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						
			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	-87.0	70.0	-81.9	70.0	-77.2	70.0	-73.1	70.0	-55.0	55.0	-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						
			C,F	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-84.7	70.0	-79.5	70.0	-73.6	70.0	-69.7	69.7	-66.3	66.3	-63.1	63.1	-55.0	55.0	-55.0	55.0	-52.2	52.2
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	-36.8	36.8						
			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	-73.2	70.0						
			C,F	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-78.6	70.0	-73.2	70.0	-68.3	68.3	-64.6	64.6	-61.4	61.4	-58.8	58.6	-55.0	55.0	-50.9	50.9	-47.7	47.7
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	-74.9	70.0	-71.4	70.0						
			C,F	-90.0	70.0	-90.0	70.0	-90.0	70.0	-86.8	70.0	-74.0	70.0	-68.4	68.4	-64.7	64.7	-61.0	61.0	-58.4	58.4	-55.7	55.7	-52.1	52.1	-47.7	47.7	-44.6	44.6
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	-35.5	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	-74.8	70.0	-71.0	70.0						
			C,F	-90.0	70.0	-90.0	70.0	-90.0	70.0	-85.0	70.0	-73.1	70.0	-68.8	68.8	-64.1	64.1	-60.5	60.5	-57.9	57.9	-55.2	55.2	-51.5	51.5	-47.2	47.2	-44.0	44.0
126.000	34.791	56.418	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	-73.7	70.0	-70.1	70.0						
			C,F	-90.0	70.0	-90.0	70.0	-90.0	70.0	-82.8	70.0	-71.3	70.0	-67.3	67.3	-62.5	62.5	-59.2	59.2	-56.5	56.5	-53.8	53.8	-50.1	50.1	-45.8	45.8	-43.0	43.0
130	35.896	58.209	A	-74.4	70.0	-43.6	43.6	-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	-72.4	70.0	-68.6	68.6						
			C,F	-90.0	70.0	-90.0	70.0	-90.0	70.0	-79.8	70.0	-69.3	69.3	-65.3	65.3	-60.6	60.6	-57.6	57.6	-54.7	54.7	-51.9	51.9	-48.1	48.1	-43.9	43.9	-41.9	41.9
130.378	36	58.376	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	-37.6	37.6	-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	-72.3	70.0	-68.5	68.5						
			C,F	-90.0	70.0	-90.0	70.0	-90.0	70.0	-79.6	70.0	-69.1	69.1	-65.1	65.1	-60.5	60.5	-57.4	57.4	-54.6	54.6	-51.7	51.7	-48.0	48.0	-43.8	43.8	-41.8	41.8
134	37	60	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	-73.3	70.0	-71.0	70.0	-67.4	67.4						
			C,F	-90.0	70.0	-90.0	70.0	-90.0	70.0	-77.1	70.0	-67.3	67.3	-63.3	63.3	-59.1	59.1	-55.9	55.9	-53.0	53.0	-50.0	50.0	-46.3	46.3	-42.8	42.8	-40.8	40.8

"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 63" HIGH WITH 37" MAX. VENT WIDTH AND 60" MAX. FIXED WIDTH AND ALL "XO" or "OX" SIZES UP TO 97" WIDE x 63" HIGH WITH 37" MAX. VENT WIDTH AND 60" MAX. FIXED WIDTH	-90.0	70.0

TABLE 12A. "XO" or "OX" & "XOX" UNEQUAL LITE WINDOWS TEST REPORTS: FTL-3580, FTL-4607, FTL-4608 ⚠6

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)

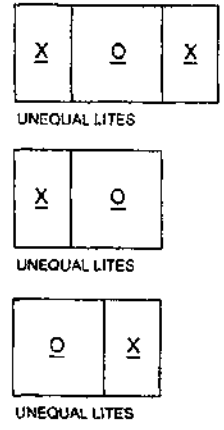
ALL "XOX" SIZES UP TO 134" WIDE x 76" HIGH WITH 37" MAX. VENT WIDTH AND 60" MAX. FIXED WIDTH AND ALL "XO" or "OX" SIZES UP TO 97" WIDE x 76" HIGH WITH 37" MAX. VENT WIDTH AND 60" MAX. FIXED WIDTH	-55.0	55.0

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

Revised By	Date	Revisions	
F.K.	3/25/03	B	ADD GLASS TYPE E TO TABLE 11
F.K.	7/10/03	C	NO CHANGE THIS SHEET
F.K.	6/23/05	D	CHANGE ANCHORS AND ADD 76" HEIGHT OPTION
Drawn By: F.K.	Date: 12/17/02	Checked By:	Date:

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

Description: PRESSURES- UNEQUAL CONFIG. XO, OX & XOX
Title: ALUMINUM CASEMENT WINDOW, IMPACT
Series/Model: CA-748 | Scale: NTS | Sheet: 9 of 13 | Drawing No.: 7045-8 | Rev: D

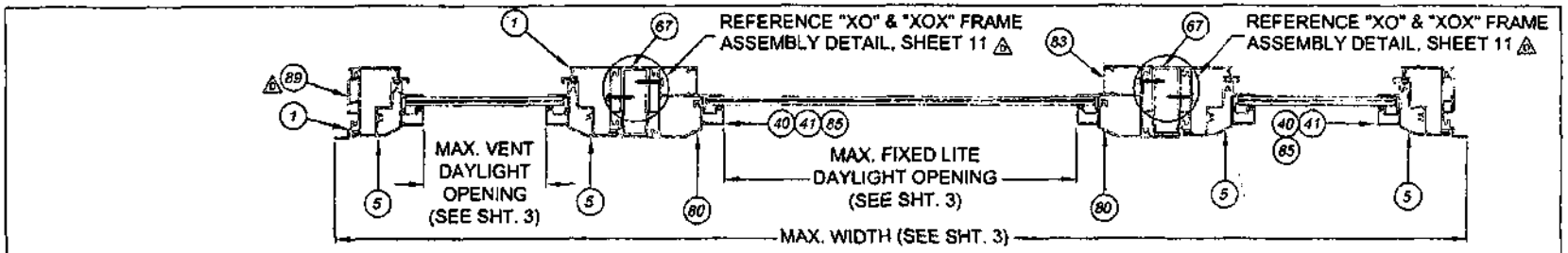


PRODUCT REVISED as complying with the Florida Building Code Acceptance No: 05-1126.11 Expiration Date: 05.22.08
By: Miami-Dade Product Control Division

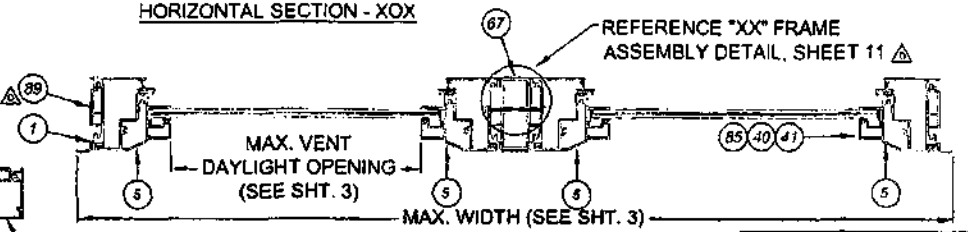
PRODUCT REVISED as complying with the Florida Building Code Acceptance No: 08-0117.11 Expiration Date: MAY 22, 2013
By: Miami-Dade Product Control Division

Z A I
11/21/05

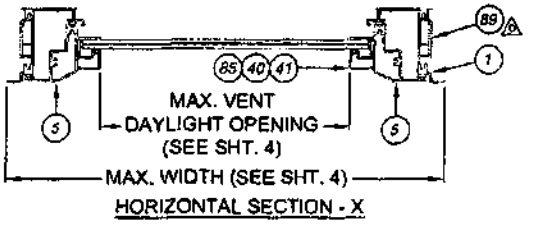
Lucas A. Turner, P.E.
FE 65201
Mechanical



HORIZONTAL SECTION - XOX



HORIZONTAL SECTION - XX



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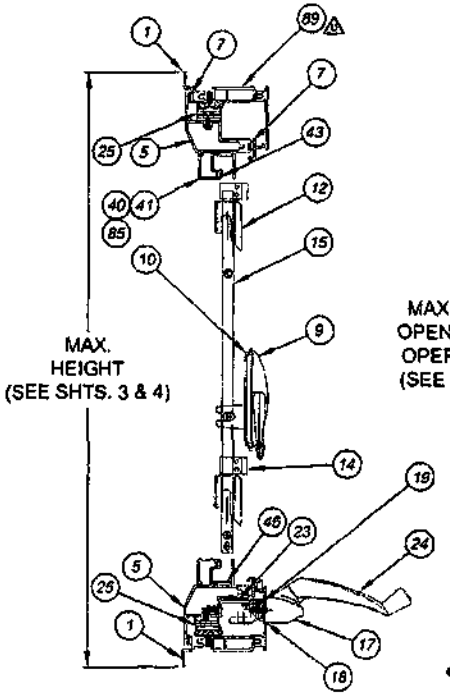
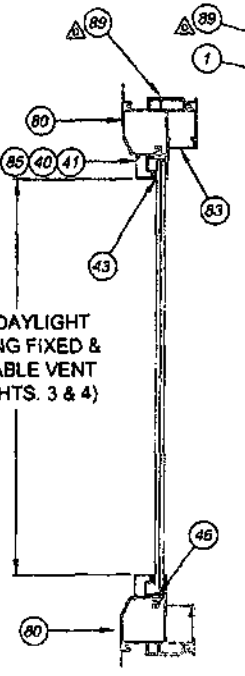


VERTICAL SECTION OPERABLE UNIT



VERTICAL SECTION FIXED UNIT

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 08-1124.11
Expiration Date: 05/22/08
By: Miami-Dade Product Control Division

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 08-0117.11
Expiration Date: MAY 22, 2013
By: Miami-Dade Product Control Division

Revised By	Date	Revisions	
F.K.	3/26/03	B	ADD 13/16" I.G. GLAZING BEAD ITEM
F.K.	7/10/03	C	SHOW TOP HINGE
F.K.	8/23/05	D	CHG SHT. NO. REF. AND ADD ITEM 89
Drawn By: F.K.	Date: 12/17/02	Checked By:	Date:

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

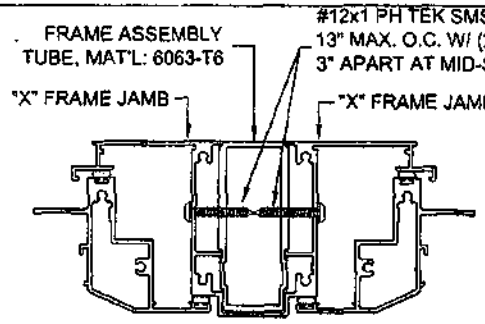
PGT Visibly Better

Description: SECTIONS
Title: ALUMINUM CASEMENT WINDOW, IMPACT

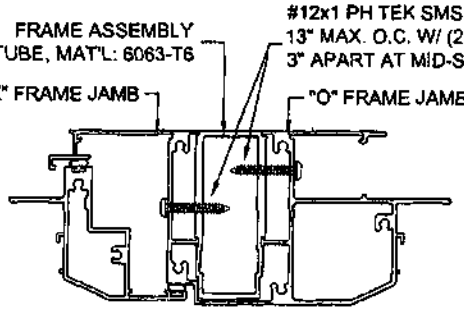
Series/Model	Scale	Sheet	Drawing No.	Rev
CA-740	NTS	10 of 13	7045-8	D

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

11/21/05

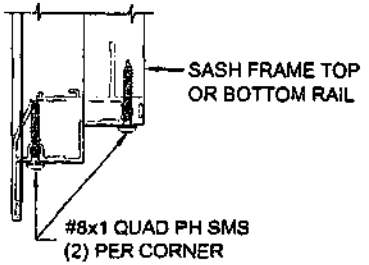


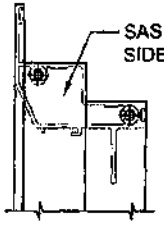
"XX" FRAME ASSEMBLY DETAIL



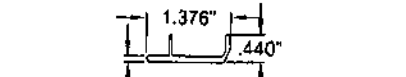
"XO" & "XOX" FRAME ASSEMBLY DETAIL

NOTE: ALL ALUMINUM SHALL BE OF 6063-T6

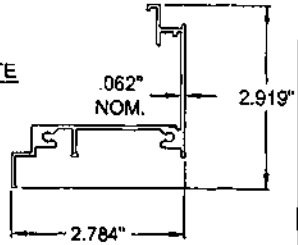




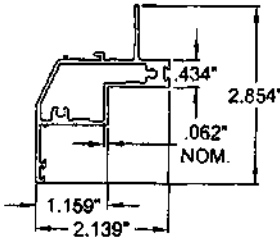
SASH FRAME ASSEMBLY DETAIL



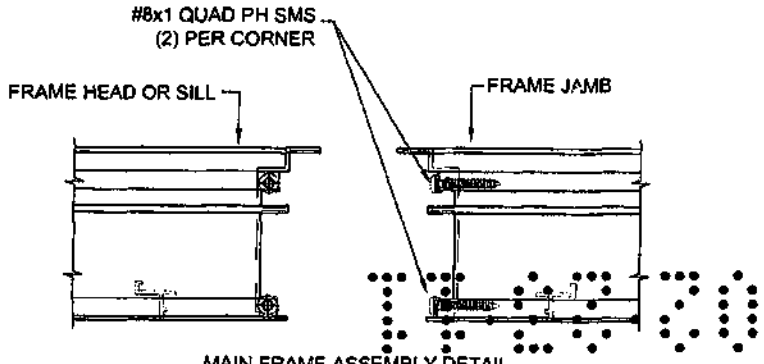
89 CASEMENT BACKING PLATE
MAT'L: 6063-T6
DWG# 7071



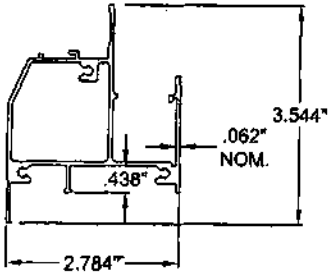
1 FRAME HEAD, SILL, JAMB
MAT'L: 6063-T6
DWG# 7002A



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



MAIN FRAME ASSEMBLY DETAIL



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

PRODUCT REVISED
in complying with the Florida
Building Code
Acceptance No. 08-0117.11
Expiry Date: MAY 22, 2013
By: Miami-Dade Product Control
Division

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 08-0117.11
Expiry Date: MAY 22, 2013
By: Miami-Dade Product Control
Division

Z. AZ
11/21/05

Revised By	Date	Revisions	
F.K.	3/25/03	B	NO CHANGE THIS SHEET
F.K.	7/10/03	C	NO CHANGE THIS SHEET
F.K.	6/23/05	D	ADD ITEM 89
F.K.	12/17/02	Checked By:	Desc:

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

PGT Visibly Better

Description: EXTRUSIONS & ASSEMBLY DETAILS
For: ALUMINUM CASEMENT WINDOW, IMPACT
Series: CA-740 | Scale: NTS | Sheet: 11 x 13 | Drawing No: 7045-8 | Rev: D

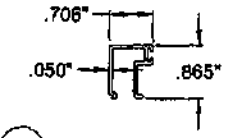
Lucas A. Tunno, P.E.
FE #58201
Mechanical

PARTS LIST

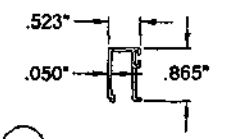
ITEM	DWG #	PGT. #	DESCRIPTION
1	7002A		MAIN FRAME - HEAD, SILL & JAMBS
2	1155	781PQA	#8 X 1 QUAD PH SMS
3	7008		FRAME CORNER KEY
4			1/2"X1/2"X1/8" CLOSED-CELL FOAM TAPE
5	7003A		SASH - TOP, BOTTOM & SIDE RAILS
6	1155	781PQA	#8 X 1 QUAD PH SMS
7	7017	67017K	BULB WEATHERSTRIP .187X.240
8	7009		SASH CORNER KEY
9	7024		MAXIM MULTI-POINT LOCK
10	7026		LOCK SUPPORT PLATE
11			#10-24 X .562 PH. PN. TYPE F
12	7014		MULTI-LOCK KEEPER (R.H. & L.H.)
13	1157	78X78PPSMS	#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		7858ZA	#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 (1/8A & 1/8HS GLASS) .090 INTERLAYER - SOLUTIA OR DUPONT PVB
31			5/16" LAMINATED (1/8HS & 1/8HS GLASS) .090 INTERLAYER - SOLUTIA OR DUPONT PVB
32			7/16" LAMINATED (3/16A & 3/16HS GLASS) .090 INTERLAYER - SOLUTIA OR DUPONT PVB
33			7/16" LAMINATED (3/16HS & 3/16HS 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 899, 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 SPLINE - 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. PHIL. TEK.
69	7011		LOCK SUPPORT PLATE
70	7012		LOCK SPACER
71	7019	711573	SNAP-ON T-HANDLE KNOB
72	7018	7FLDHD	FOLDING HANDLE

PARTS LIST CONT.

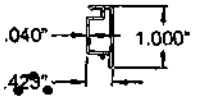
ITEM	DWG #	PGT. #	DESCRIPTION
73	7025		MAXIM SINGLE LOCK
74	7016		SINGLE LOCK KEEPER
75		70834A	#8 X .750 QUAD PN SMS
80	7005A		FIXED WINDOW FRAME - HEAD, SILL & JAMBS
81	1155	781PQA	#8 X 1 QUAD PN SMS
82	7010		FIXED FRAME CORNER KEY
83	7007		INSTALLATION HOLE COVER
85	7042	67407	GLAZING BEAD (13/16" I.G.)
86		13/16"	I.G. GLASS (1/8"HS, AIR SPACE, 5/16"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 = 3/16A & 3/16HS 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 = 3/16HS & 3/16HS GLASS WITH AN.090 INTERLAYER - SOLUTIA OR DUPONT PVB
89	7071	67071	CASEMENT BACKING PLATE (SEE NOTE 4, SHEET 13) ⚠



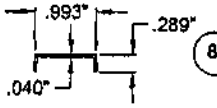
(40) 5/16" GLAZING BEAD
MAT'L: 6063-T6
DWG# 7036



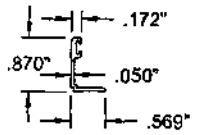
(41) 7/16" GLAZING BEAD
MAT'L: 6063-T6
DWG# 7042



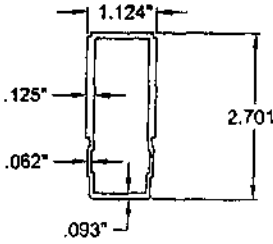
(50) CASEMENT SCREEN FRAME
MAT'L: 6063-T6
DWG# 7006



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



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



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

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 08-1129.11 Expiration Date: 12-22-2008 By: Miami-Dade Product Control Division

PRODUCT RENEWED as complying with the Florida Building Code Acceptance No. 08-1117.11 Expiration Date: JULY 22, 2013 By: Miami-Dade Product Control Division

11/21/05

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

2070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

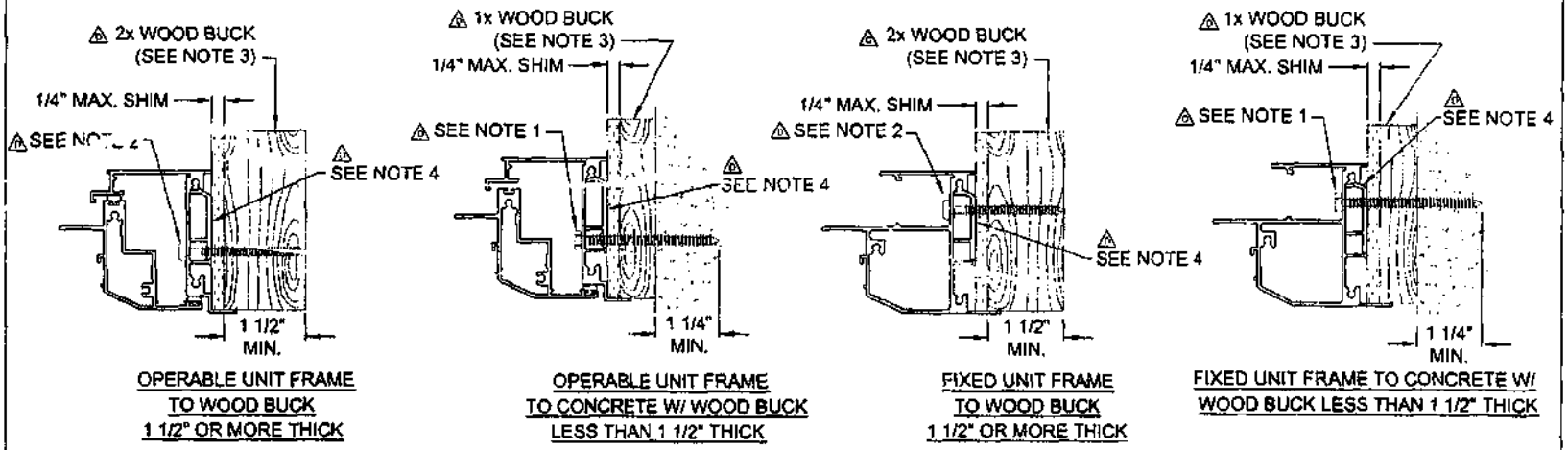
PGT Visibly Better

PARTS LIST & EXTRUSIONS

ALUMINUM CASEMENT WINDOW, IMPACT

Basic Model	Scale	Sheet	Drawing No.	Rev.
CA-740	NTS	12 - 13	7045-8	D

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



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

PRODUCT REVISED
Complying with the Florida Building Code
Acceptance No. 08-0117.11
Expiration Date 05/22/08
By
Miami-Dade Product Control Division

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 08-0117.11
Expiration Date MAY 22, 2013
By
Miami-Dade Product Control Division

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 ARE 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	Date	Revisions	
F.K.	3/26/03	B	NO CHANGE THIS SHEET
F.K.	7/10/03	C	NO CHANGE THIS SHEET
F.K.	8/23/05	D	REVISE NOTES AND REMOVE 3/16" TAPCONS & #10 SCREWS
Drawn By: F.K.	Date: 12/17/02	Checked By	Date:

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

PGT Visibly Better

Description: ANCHORAGE DETAILS
Title: ALUMINUM CASEMENT WINDOW, IMPACT

Series/Model	Scale	Sheet	Drawing No.	Rev.
CA-740	NTS	13 of 13	7045-8	D

Lucas A. Turner, P.E.
PE #56201
Mechan.cal

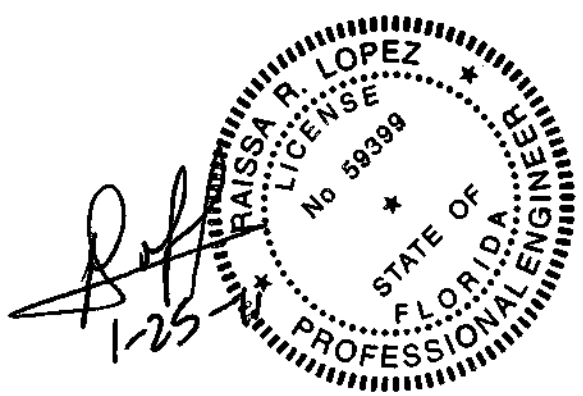
1/22/08

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 (Directonality 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	
l =	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	l*(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

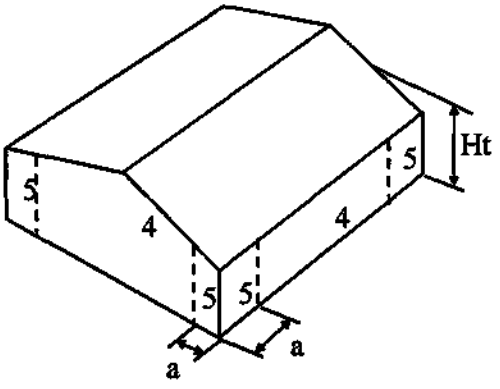
Condition	Gcpi	
	Max +	Max -
Open Buildings	0.00	0.00
Partially Enclosed Buildings	0.55	-0.55
Enclosed Buildings	0.18	-0.18
Enclosed Buildings	**0.18**	**-0.18**

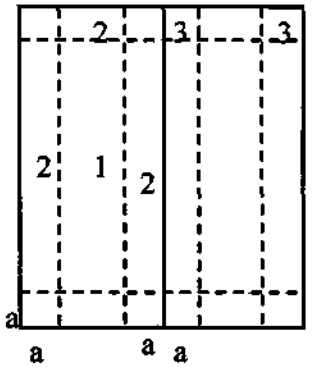
WIND-05

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

Figure 6-11 - External Pressure Coefficients, GCp

Loads on Components and Cladding for Buildings w/ Ht <= 60 ft





Gabled Roof
7 < Theta <= 45

a = 4.475 ==> 4.48 ft

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

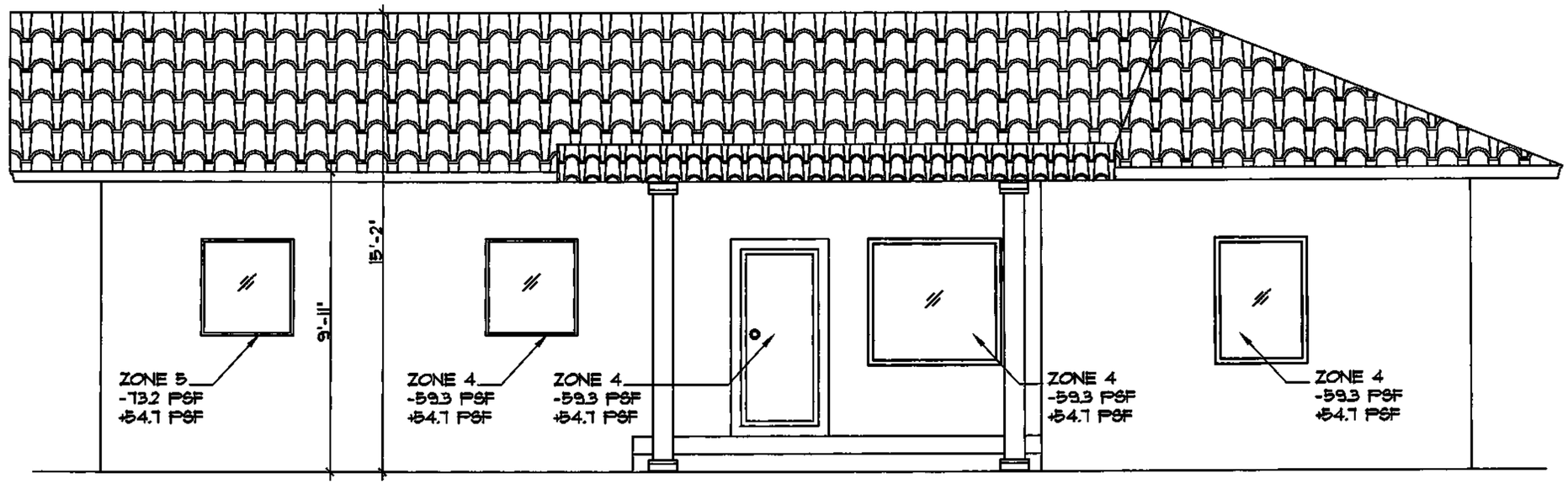
Component	Width (ft)	Span (ft)	Area (ft^2)	Zone	GCp		Wind Press (lb/ft^2)	
					Max	Min	Max	Min
10 or less AREA			10.00	4	1.00	-1.10	54.66	-59.29
10 or less AREA			10.00	5	1.00	-1.40	54.66	-73.19
11 AREA			11.00	4	0.99	-1.09	54.32	-58.95
11 AREA			11.00	5	0.99	-1.39	54.32	-72.51
12 AREA			12.00	4	0.99	-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

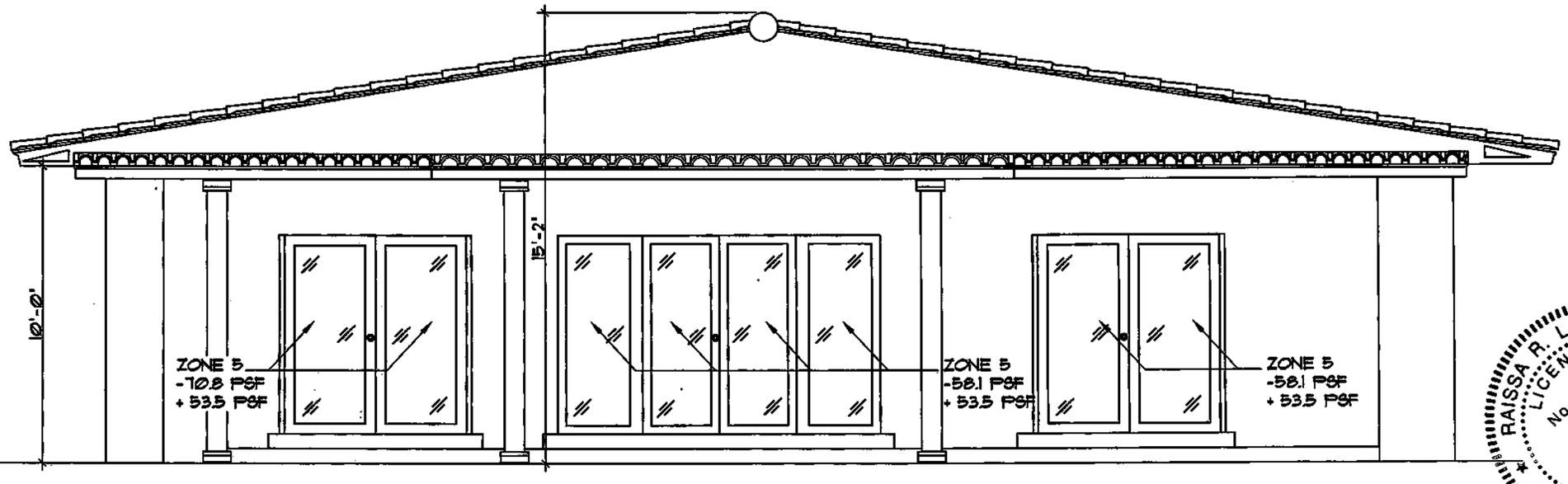
23 AREA			23.00	5	0.94	-1.27	51.70	-67.27
24 AREA			24.00	4	0.93	-1.03	51.55	-56.18
24 AREA			24.00	5	0.93	-1.27	51.55	-66.97
25 AREA			25.00	4	0.93	-1.03	51.41	-56.04
25 AREA			25.00	5	0.93	-1.26	51.41	-66.68
26 AREA			26.00	4	0.93	-1.03	51.27	-55.90
26 AREA			26.00	5	0.93	-1.25	51.27	-66.40
27 AREA			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 570
Miami, Florida 33122
Tel. (305) 599-8133 Fax. (305) 599-8078
www.easternmag.com

REVISIONS

No.	DESCRIPTION	DATE

JOB NO. & NAME: 11 023 DG WL1 8 Farrey Lane Wind Calc

DESIGNED & DRAWN: MM

SCALE: 1 AS SHOWN

PROJECT: 8 Farrey Lane Wind Calc

TYPE OF PROJECT: Wind Load Calculations

SHEET NAME: NORTH & SOUTH ELEVATIONS

PROJECT LOCATION: 8 Farrey Ln Miami Beach, FL 33139

CLIENT NAME: THE PERMIT DOCTOR

RAISSA R. LOPEZ, PE (Lic No-85380)
DONOALD A. PAZ, PE (Lic No-60734)
CERT. OF AUTHORIZATION No. 28005

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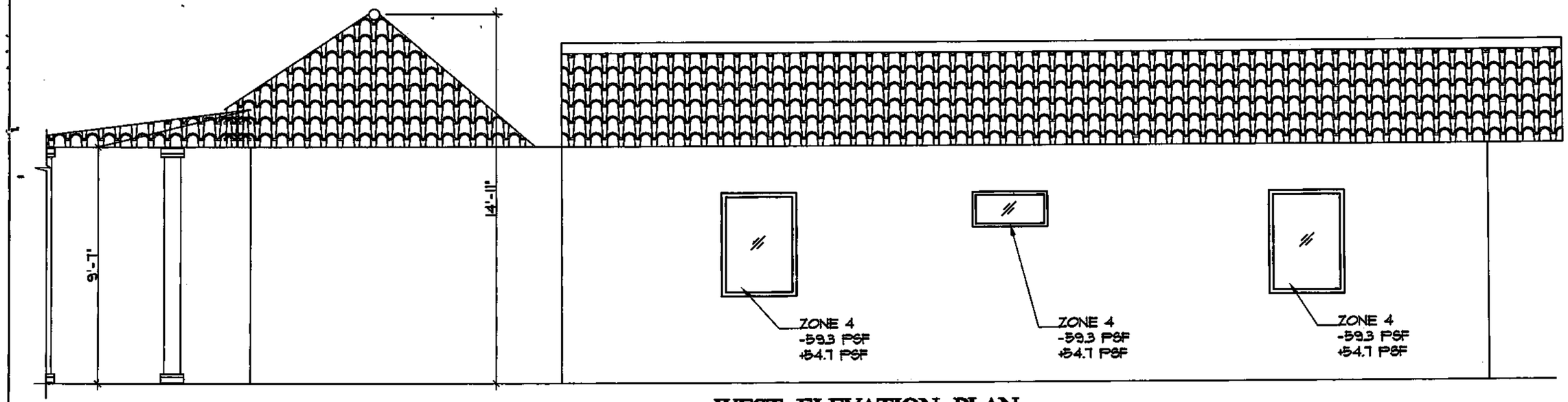
RAISSA R. LOPEZ
LICENSE
No 59399
STATE OF FLORIDA
PROFESSIONAL ENGINEER

1-25-11

SCANNED

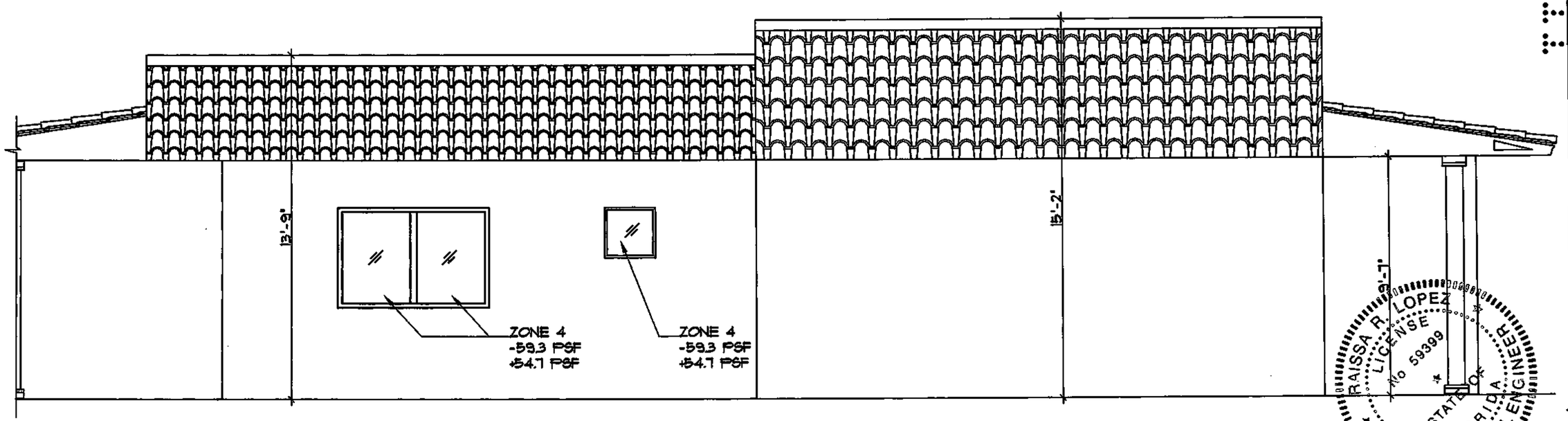
S-1

SCANNED



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) 669-9133 Fax. (305) 669-9076
www.easterneg.com

No.	DESCRIPTION	DATE

JOB No. & NAME: 11 023 DG WL1 8 Farrey Lane Wind Calc
DESIGNED & DRAWN: RM
SCALE: AS SHOWN

PROJECT NAME: 8 Farrey Lane Wind Calc.
TYPE OF PROJECT: Wind Load Calculations
SHEET NAME: WEST & EAST ELEVATIONS
PROJECT LOCATION: 8 Farrey Ln Miami Dade FL 33156
CLIENT NAME: THE PERMIT DOCTOR

RAISSA R. LOPEZ, PE (Lic No-59399)
GONZALO A. PAZ, PE (Lic No-58734)
CERT. OF AUTHORIZATION No. 28055

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1-24-11

S-2

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MIAMI-DADE COUNTY

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" mulled 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 (OOconfiguration) 80" x 76" mulled 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) mulled together with a 1x 2 x ¾" 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

SCANNED

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

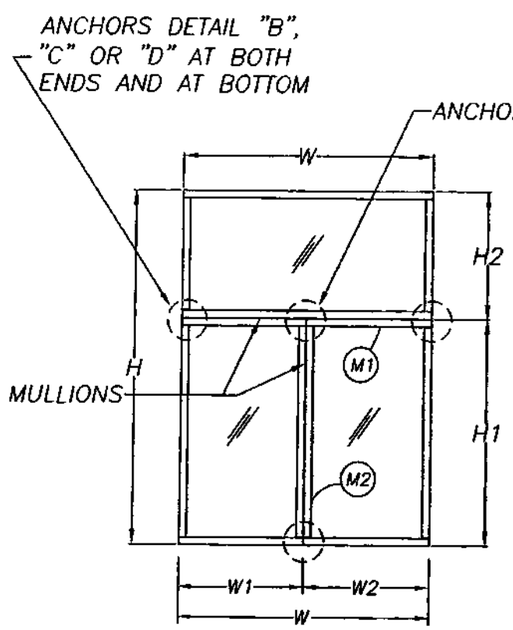
1. Statement letter of conformance, dated 01/23/06, signed and sealed by Robert L. Clark, P.E.
2. Statement letter of no financial interest, dated 01/23/06 and sealed by Robert L. Clark, P.E.

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

SCANNED



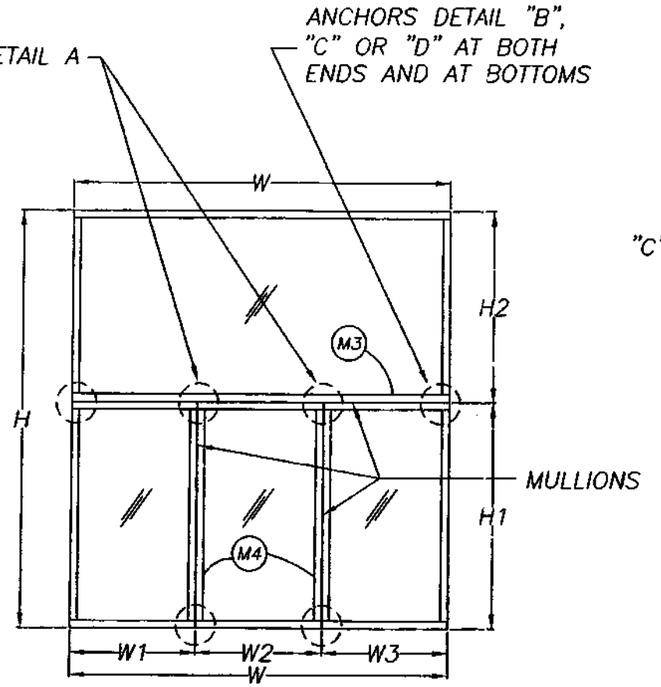
W = W1+W2
H = H1+H2

(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



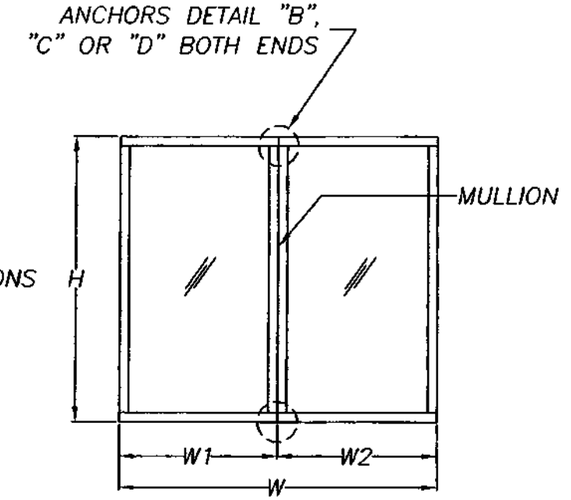
W = W1+W2+W3
H = H1+H2

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

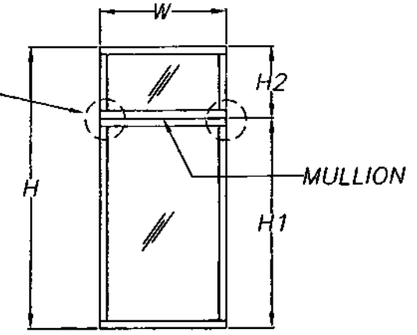
M4) MAX OPENING = W1+W2 OR W2+W3
MULL LENGTH = H1



W = W1+W2

(2) WINDOWS MULLED TOGETHER

FOR DETERMINING MAX ALLOWABLE DESIGN PRESSURE SEE TABLES ON PAGE 5
MAX OPENING = W OR W1+W2
MULL LENGTH = H



H = H1+H2

(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

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

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.

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

TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS

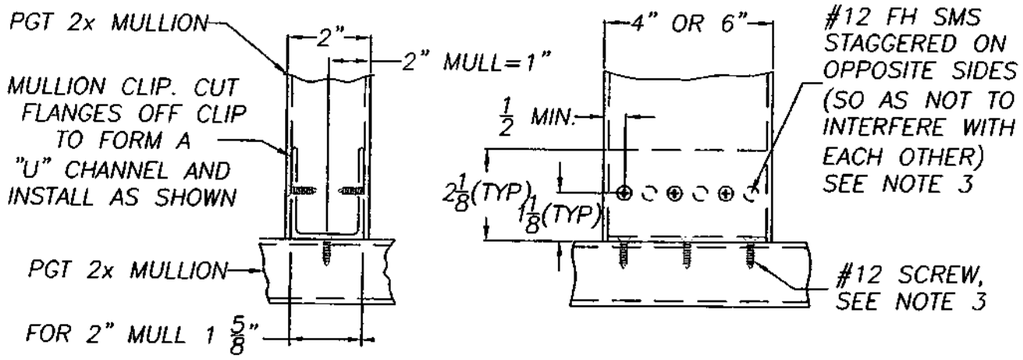
PGT INDUSTRIES
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

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

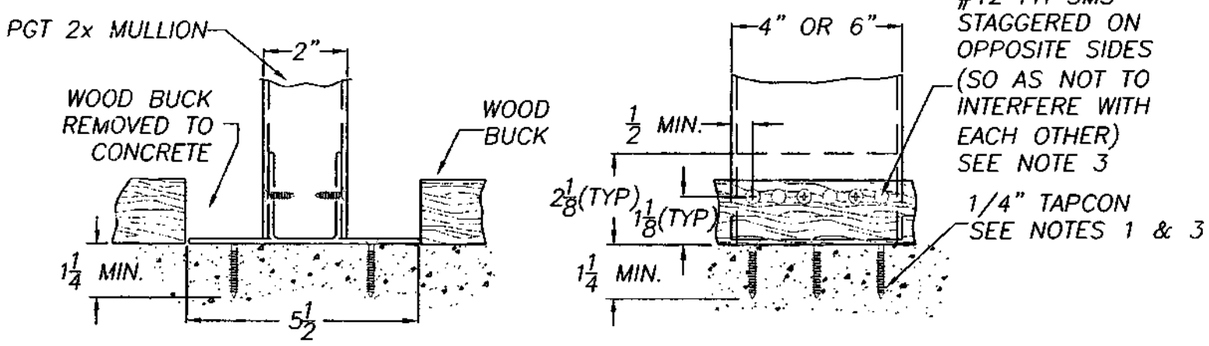
Description: 2" HEAVY WALL, ELEVATIONS
Title: ALUMINUM TUBE CLIPPED MULLION

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
MULLS	NTS	1 of 5	6223	C

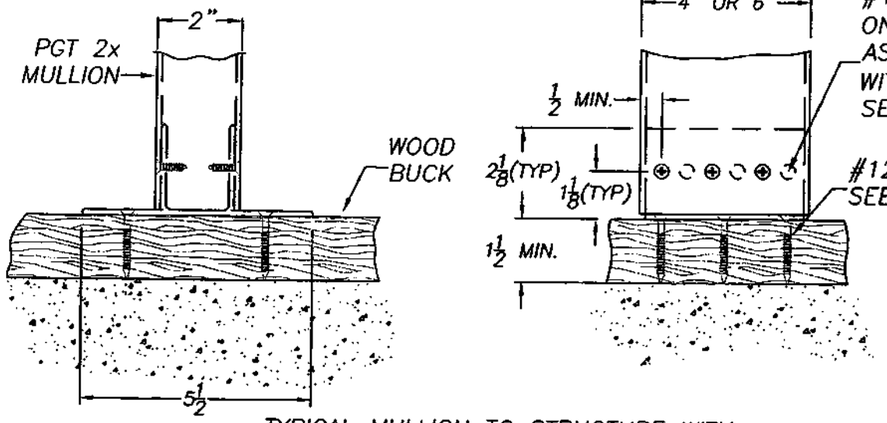
SCANNED



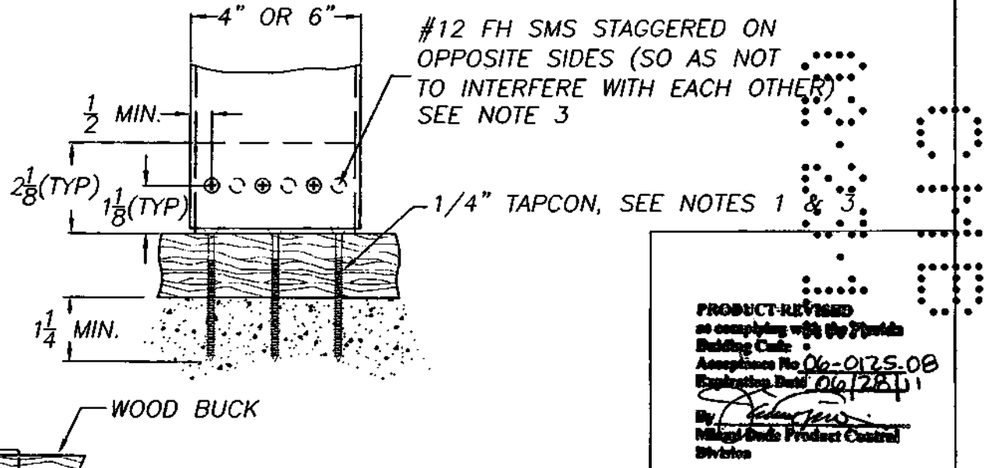
TYPICAL MULLION TO MULLION INSTALLATION, DETAIL "A"



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:

1. 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".
2. 1/4" TAPCONS OR ELCO 1/4" SS4 CRETE-FLEX MASONRY ANCHORS MAY BE USED INSTEAD OF #12 SCREWS FOR WOOD APPLICATIONS.
3. 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)
4. 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.
5. REFERENCE TEST REPORTS: FTL-2902, 2903 AND 2975.

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:	Date:	Revisions:
F.K.	1/9/06	B-REVISE ANCHORAGE
F.K.	5/3/04	C-NO CHG THIS SHT
Drawn By: P.J.P.	Date: 4/28/00	

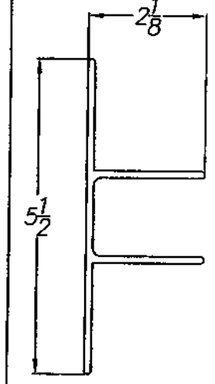
Description: 2" HEAVY WALL, CLIP INSTALLATION DETAIL

Title: ALUMINUM TUBE CLIPPED MULLION

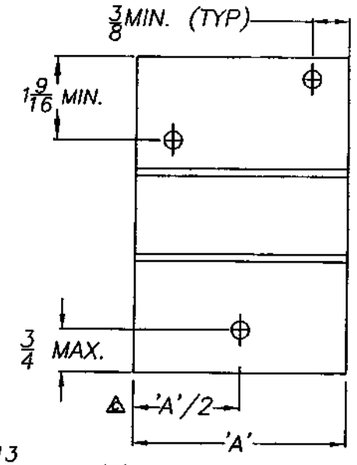
Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
MULLS	NTS	2 of 5	6223	C

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

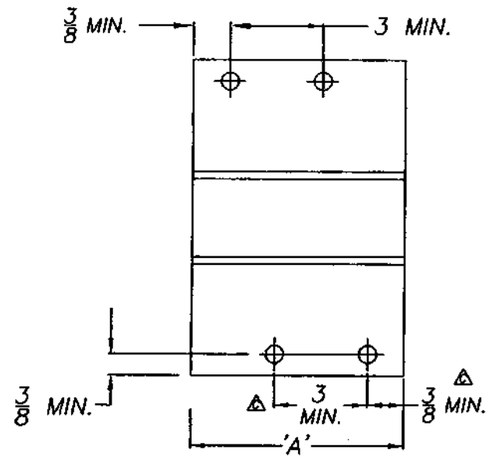
SCANNED



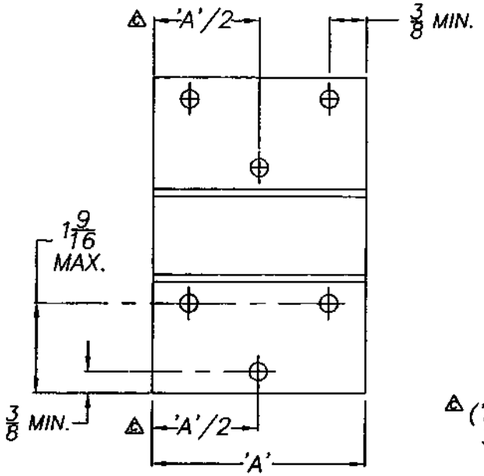
2" MULL CLIP
EXTRUSION DWG #513



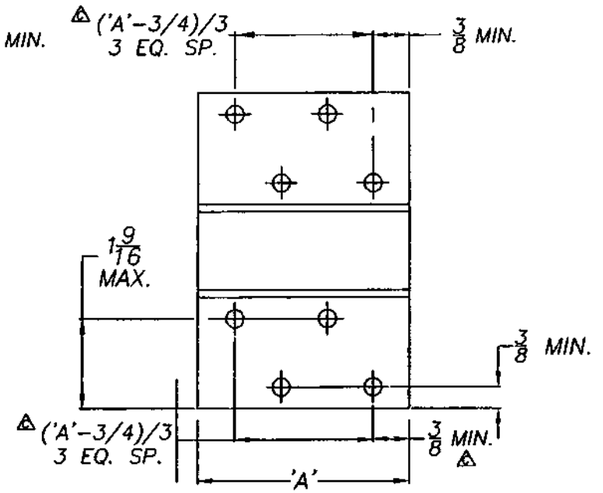
(3) ANCHOR LOCATIONS



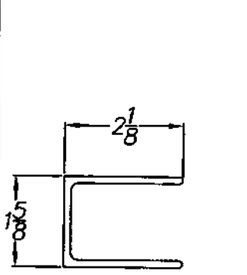
(4) ANCHOR LOCATIONS



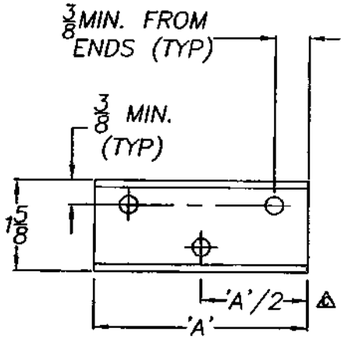
(6) ANCHOR LOCATIONS



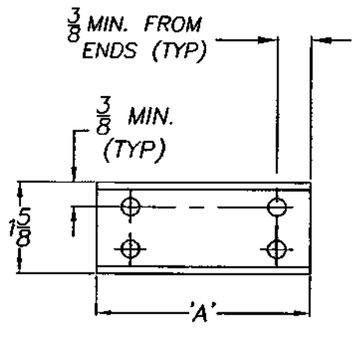
(8) ANCHOR LOCATIONS



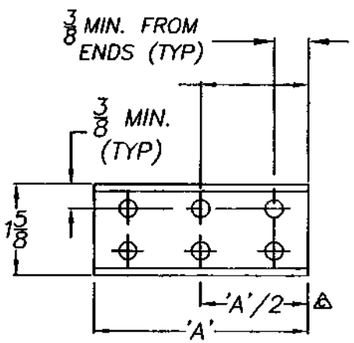
2" MULL CLIP
W/TABS REMOVED
EXTRUSION DWG #513



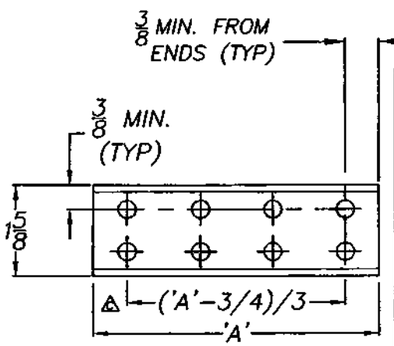
(3) ANCHOR LOCATIONS



(4) ANCHOR LOCATIONS



(6) ANCHOR LOCATIONS



(8) ANCHOR LOCATIONS

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:

1. 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.
2. REFERENCE TEST REPORTS: FTL-2902, 2903 AND 2975.

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

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

TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS

PGT INDUSTRIES

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

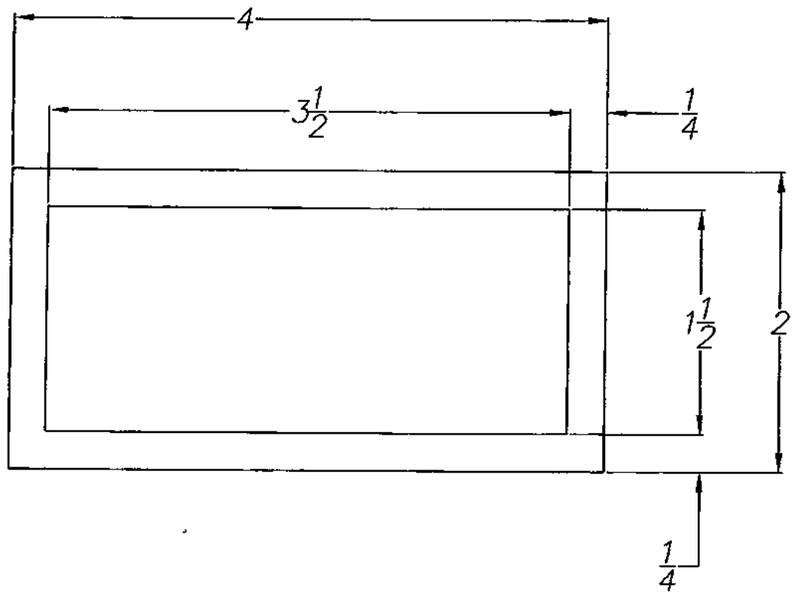
Revsd By:	Date:	Revisions:
F.K.	1/9/06	B-ADD 3-4 HOLE APP.
F.K.	5/3/06	C-ADD MISSING DIM.
Drawn By: P.J.P.	Date: 4/28/00	

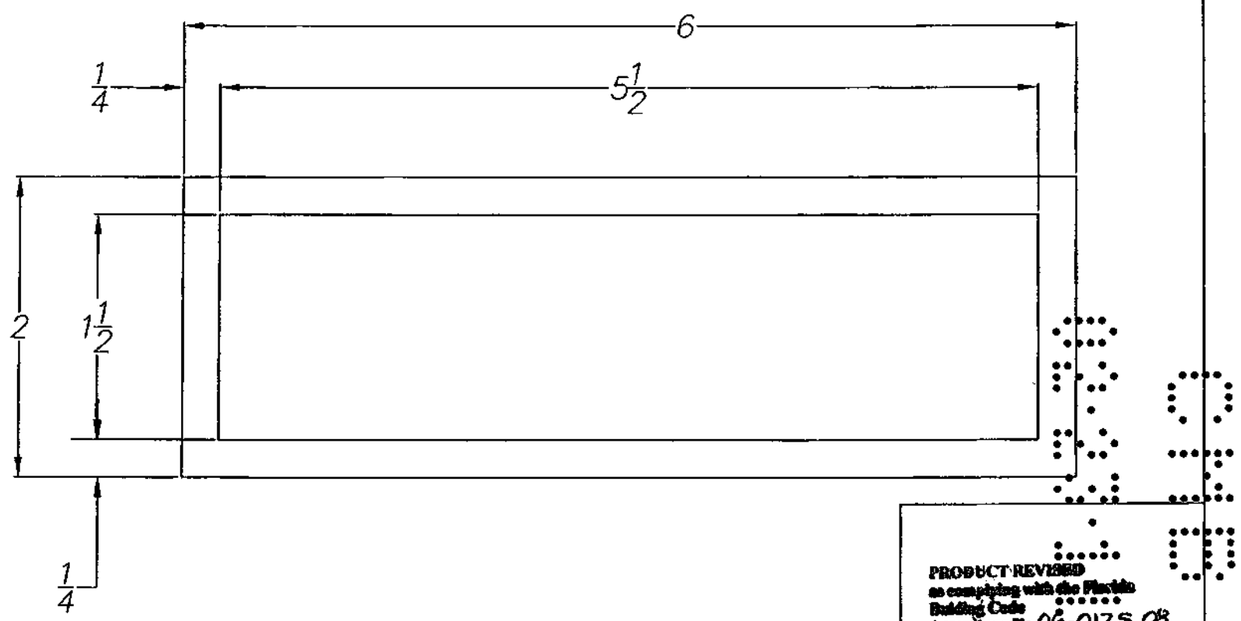
Description: 2" HEAVY WALL, ANCHOR LOCATIONS

Title: ALUMINUM TUBE CLIPPED MULLION

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

SCANNED





2x HEAVY WALL MULLS

MAT'L: 6063–T6

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 06-0125.08
Expiration Date: 06.28.11
By
Miami-Dade Product Control
Division

NOTE:

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

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

TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS

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

PGT INDUSTRIES

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274

Description: 2" HEAVY WALL, MULLION PROFILES

Title: ALUMINUM TUBE CLIPPED MULLION

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
MULLS	1X	4 of 5	6223	C

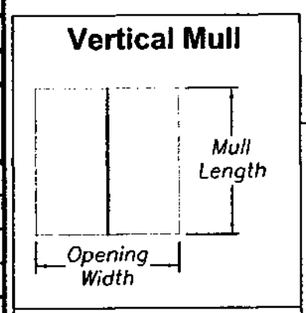
SCANNED

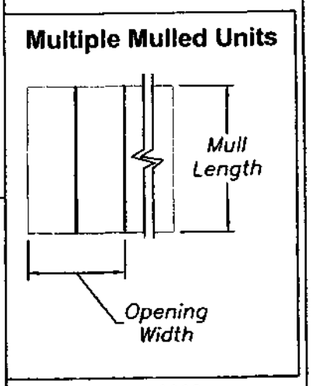
CHART 2. - 2x6x.250

MULL LENGTH IN INCHES	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
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	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

CHART 1. - 2x4x.250

MULL LENGTH IN INCHES	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
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 REVISED as complying with the Florida Building Code Acceptance No. 06-0825.08 Expiration Date 06.12.11 By Miami-Dade Product Control Division

TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS

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

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 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:	Scale:	Sheet:	Drawing No.	Rev:
MULLS	NTS	5 of 5	6223	C

SCANNED

9810119

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 305-673-7080. Fax 305-673-7028.

THIS PLAN REVIEW CONSTITUTES APPROVAL FOR OBTAINING BUILDING PERMITS ONLY.

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

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

Approved/Reviewed By: Date: 02.24.11

B1101840

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

BUILDING:
ZONING: 1/24/11
DRB/HPB:
CONCURRENCY:
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
PUBLIC WORKS: 02.24.11
STRUCTURAL: 2/24/11
ELEVATOR:

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

DRAWN BY:
C.PEREIRA

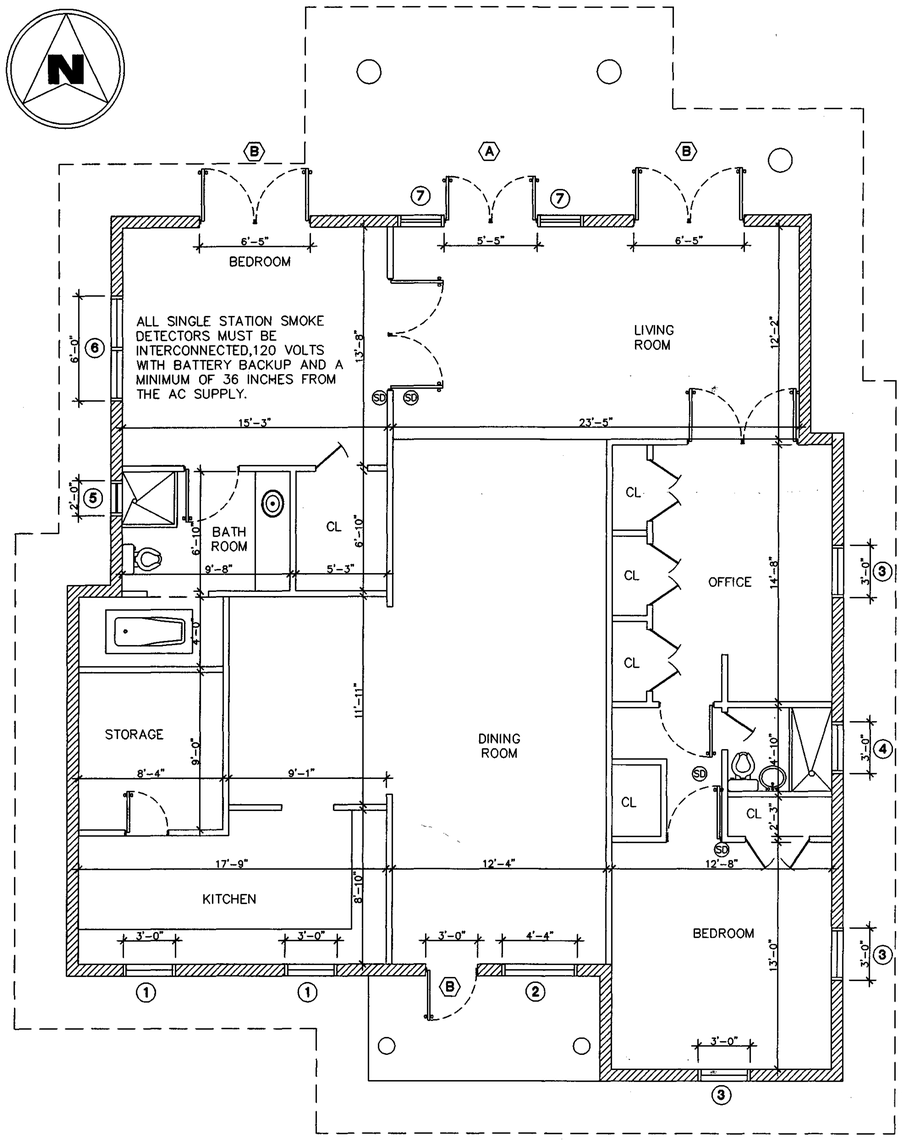
REVISIONS:

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
- (SD) 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

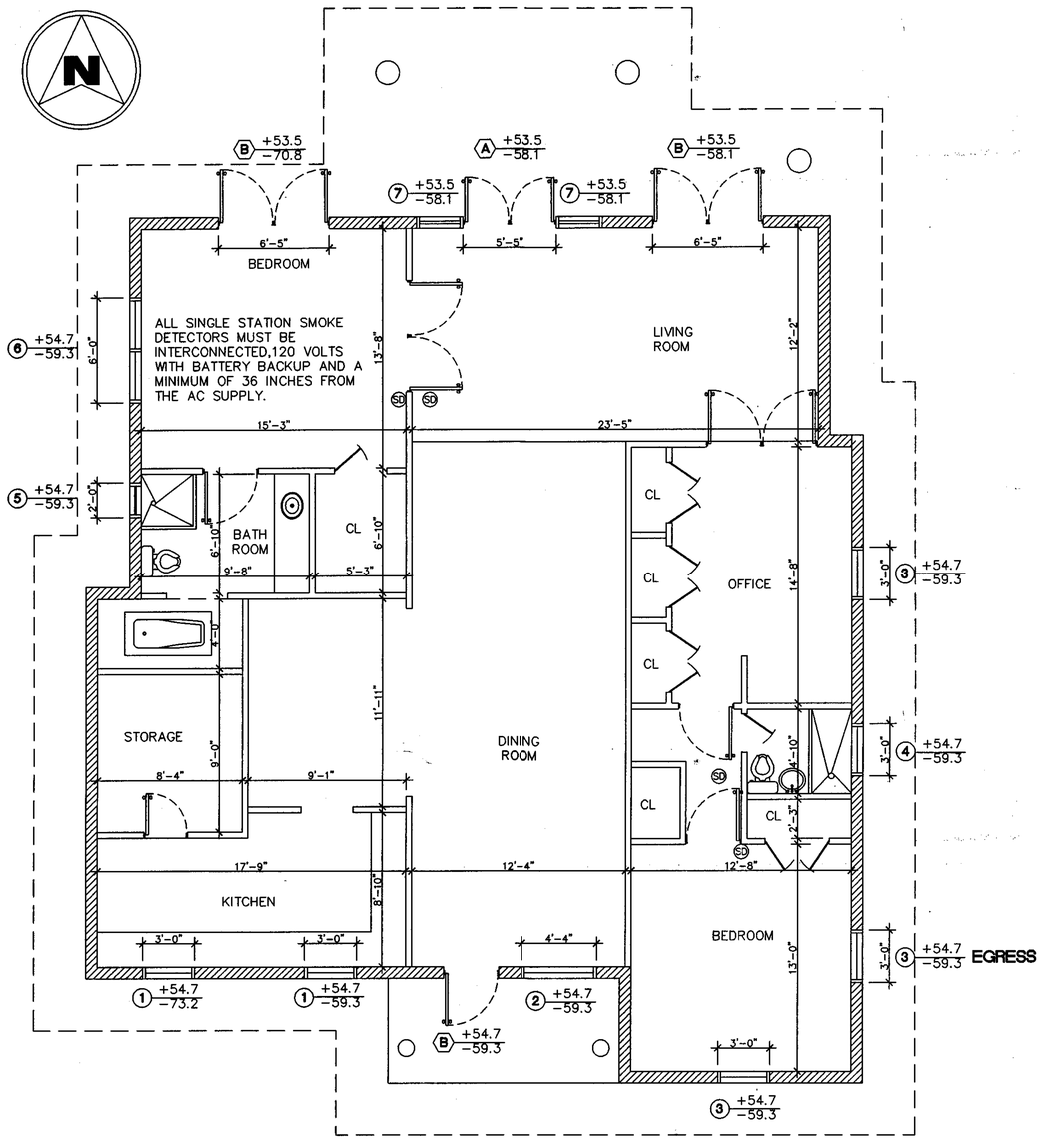
PROJECT:
Rhodes Residence
8 Farrey Lane
MIAMI BEACH, FL. 33139

DRAWN BY: C.PEREIRA
REVISIONS:
SCALE: 1'-3/8"
DATE: 01/5/2011

CONTAINS:
EXISTING WINDOWS/DOORS PLAN

PAGE: #
A-1

C:\RICK_S PROJECTS_8 FARREY LANE PAGE 1 - 2/7/11 1:11:27 PM



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 (NOA No 08-0117.11)
(2) (1)	52" x 50"	NEW (NOA No 08-0117.11)
(3) (3)	36" x 50"	NEW (NOA No 08-0117.11)
(4) (1)	36" x 17"	NEW (NOA No 08-0117.11)
(5) (1)	24" x 24"	NEW (NOA No 08-0117.11)
(6) (1)	72" x 48"	NEW (NOA No 08-0117.11)
(7) (2)	34" x 80"	NEW (NOA No 07-0629.10)

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

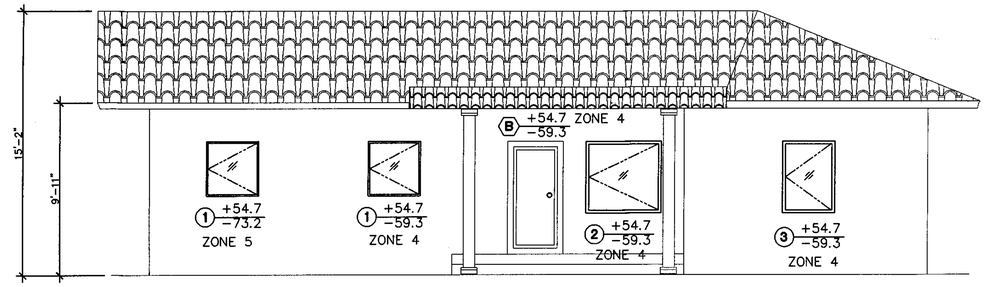
PROJECT:
Rhodes Residence
8 Farrey Lane
MIAMI BEACH, FL. 33139

DRAWN BY: C.PEREIRA
REVISIONS:
SCALE: 1'3/8"
DATE: 01/5/2011

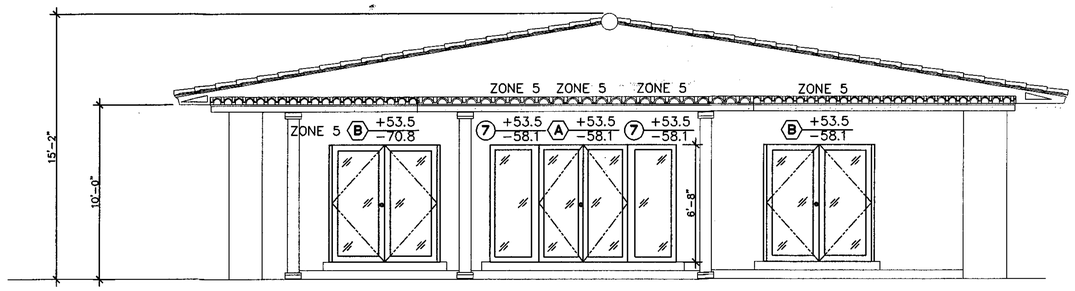
CONTAINS:
PROPOSED WINDOWS/DOORS PLAN

PAGE: #
A-2

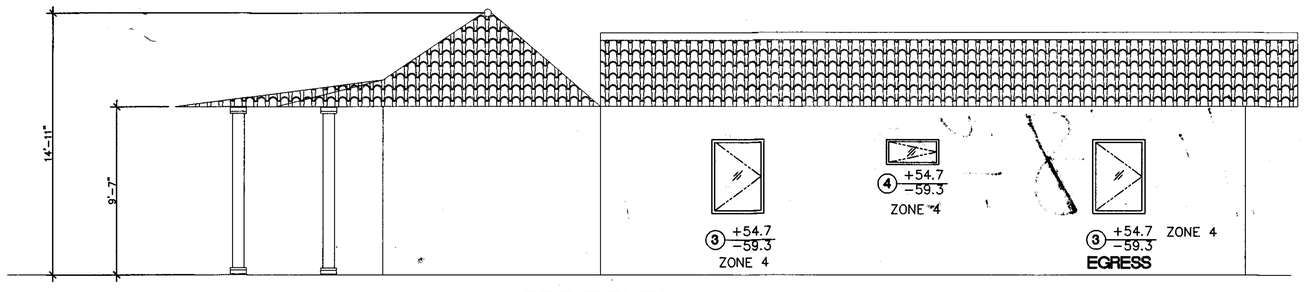
C:\RICK\S PROJECTS\8 FARREY LANE PAGE 1 - 2/7/11 1:09:06 PM



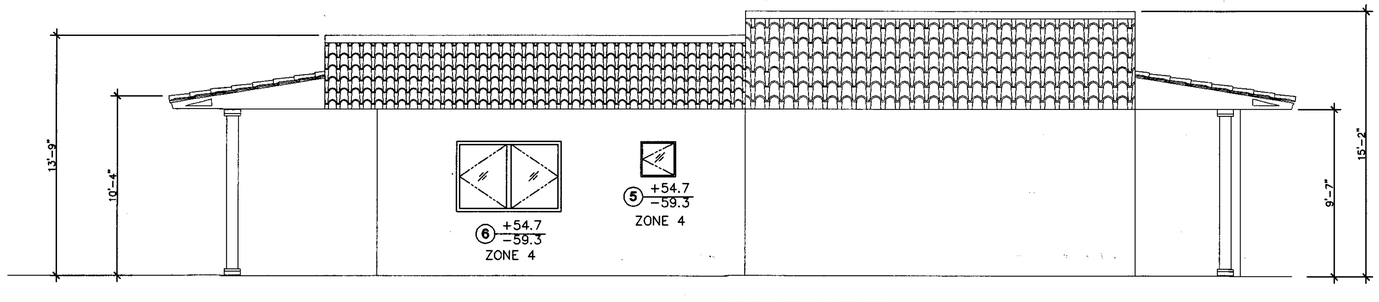
NORTH ELEVATION PLAN
SCALE: 1/4"=1'-0"



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



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



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

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

DRAWN BY: C.PEREIRA
REVISIONS:
SCALE: 1/4"-1'
DATE: 01/5/2011

CONTAINS:
PROPOSED WINDOWS/DOORS ELEVATIONS

PAGE: #
A-3

C:\RICK_S PROJECTS_8 FARREY LANE PAGE 1 - 2/7/11 1:09:52 PM

B11018 70

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

BUILDING:
ZONING: 2/24/11
DRB/HPB:
CONCURRENCY:
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL: 2/25/11
ELEVATOR:

NEXT

PROfessional Microfilm SErvices, Inc.
Miami, Florida

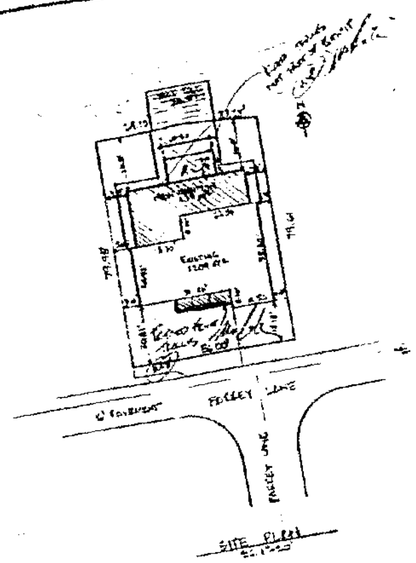
FILE

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

PERMIT
B9200392

60015

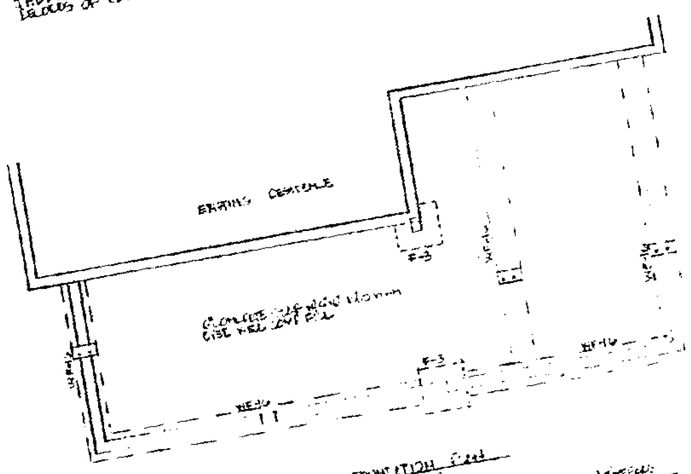
B9200392



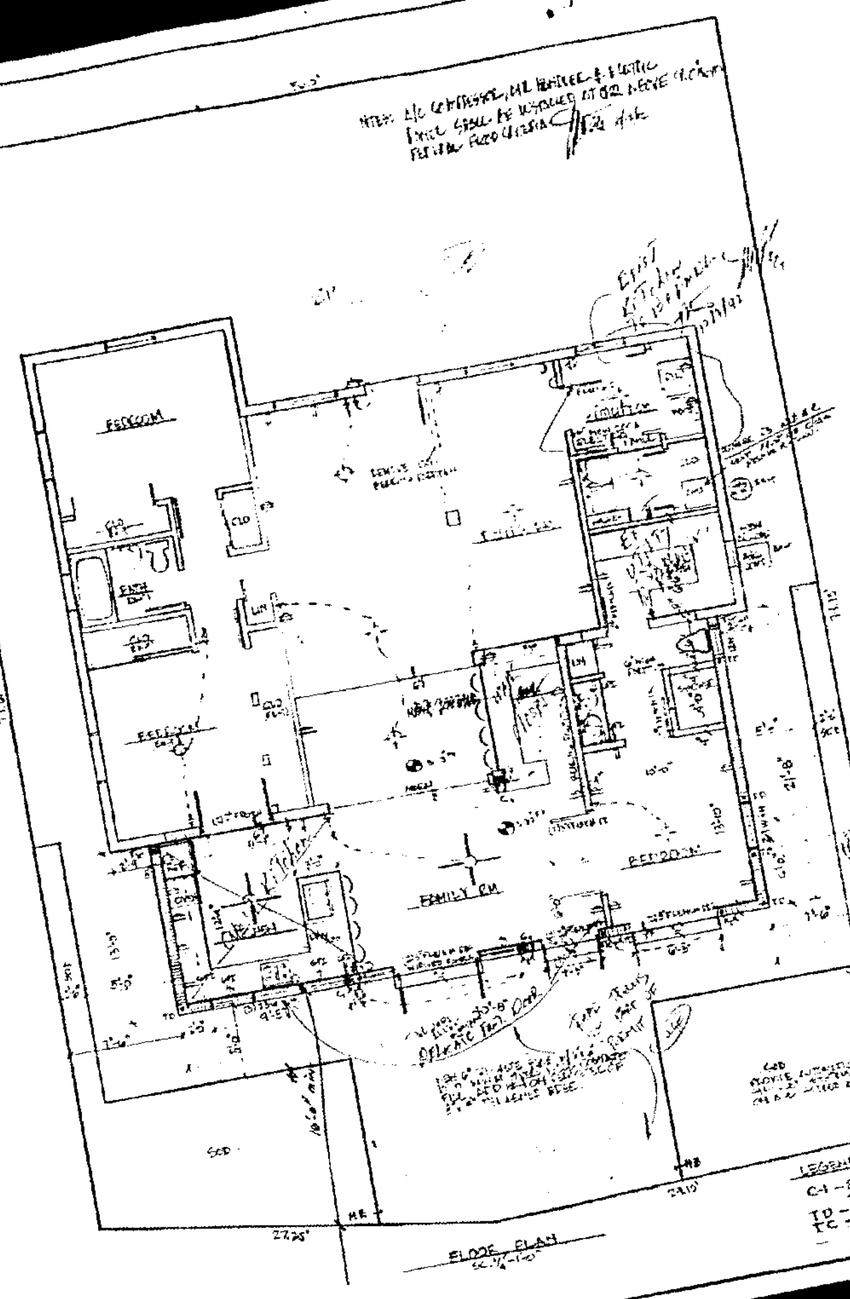
SITE PLAN

LEGAL DESCRIPTION

LOT 8 SECOND SECTION PALM VIEW VILLAS ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 42 AT PAGE 125 OF THE PUBLIC RECORDS OF DADE COUNTY, FLORIDA.



FOUNDATION PLAN



FLOOR PLAN

LEGEND

C-1 - 8"x18" CONCRETE COLUMN W/ #5 BARS & #3 TIES @ 12" O.C.
TC - 8"x8" STEEL COLUMN W/ 4"ø STEEL PIPE FILLED W/ CONCRETE
TO - 8"x8" STEEL COLUMN W/ 4"ø STEEL PIPE

REVISIONS | BY

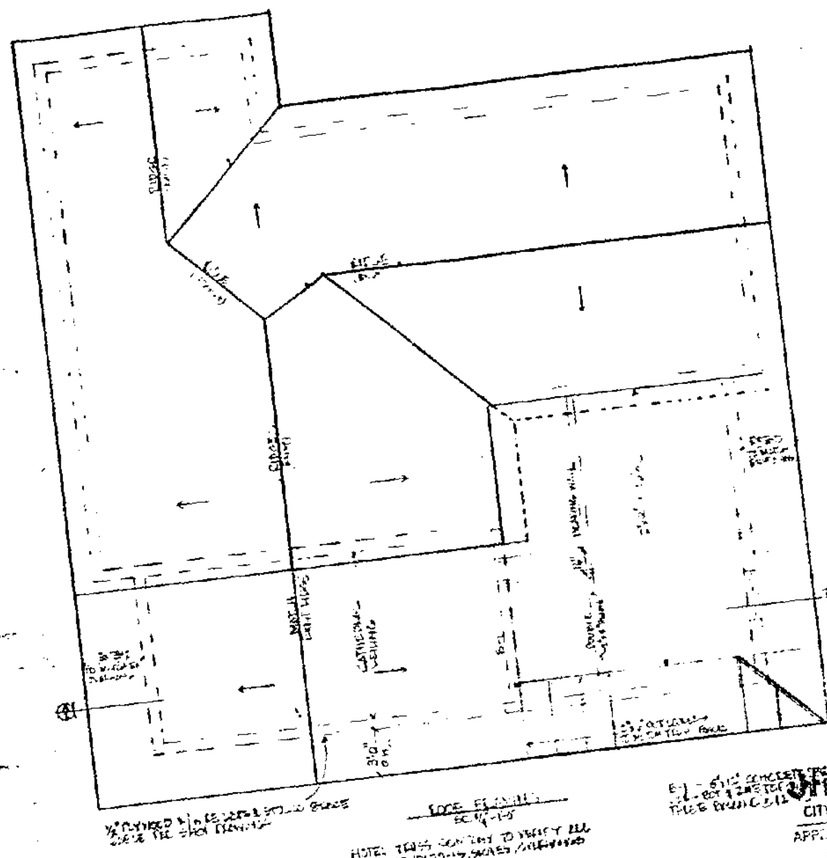
ADDITION TO SINGLE FAMILY RESIDENCE LOCATED AT 875 PALM VIEW DR. MIAMI BEACH, FLORIDA

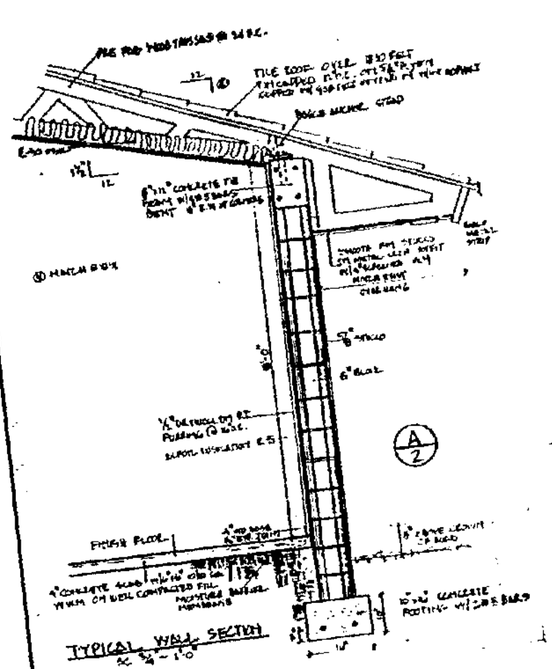
OFFICE COPY
CITY OF MIAMI BEACH
1700 CONVENTION CENTER DR.

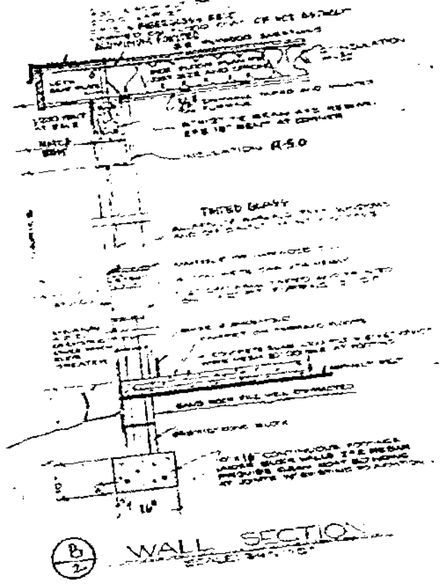
APPROVED AS TO STRUCTURAL ENGINEERING CRITERIA

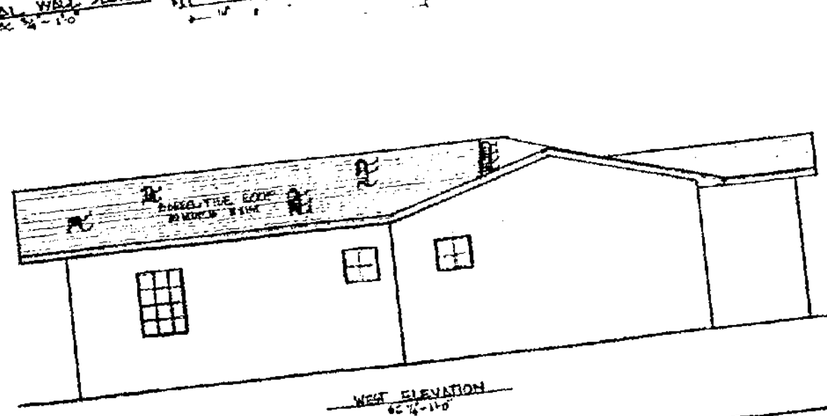
Date 4/16/92
Scale AS SHOWN
Drawn C.H.
Job YEAR MODEL
Sheet 1
of 2 Sheets

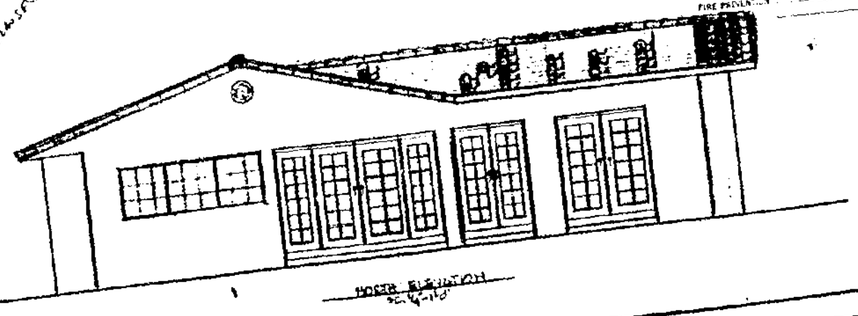
B 9 2 0 0 3 9 2











ADDITION TO SINGLE FAMILY RESIDENCE LOCATED AT
6 PEARL LN. HUNTINGTON BEACH, CA. 92648

B9200392

ELECTRICAL SCHEDULE & NOTES

WIRE & COND.	WATT	VOLT	SYMBOL	CURRENT USE	CIRCUIT NO.	CIRCUIT NO.	CIRCUIT USE	BREAKER SIZE	POLE	WATT	WIRE & COND.
#6/1"	1,000				1	2		30	2		#10/3"
#8/3/4"	2000				3	4					
#10/3"	1500				5	6		30	1		#12/2"
#12/2"	1200				7	8					
#12/2"	1200				9	10		20	1		#12/2"
#12/2"	1200				11	12					
#12/2"	1200				13	14		15	1		#14/2"
#12/2"	1200				15	16					
#12/2"	1200				17	18					
#12/2"	1200				19	20					
#12/2"	1200				21	22					
#14/2"	300				23	24		15	1		#14/2"
"	"				25	26	SPARE	20	1		"
#12/2"	1200				27	28	"				
#12/2"	1200				29	30	"				
#10/3"	2000				31	32	"				
					33	34	"				
					35	36	"				
					37	38	"				
					39	40	"				
					41	42	"				

NOTES:
1.- ALL WIRING SHALL BE IN E.M.T. CONDUIT UNLESS OTHERWISE IN HOME OWNERSHIP.
2.- PROVIDE SPARE CONDUIT W/PULL STRING FOR TELEPHONE, DOORBELL, BURG. INT. & CABLE T.V.
3.- ALL WORK AS PER LATEST EDITION OF N.E.C. & S.F.B.C.

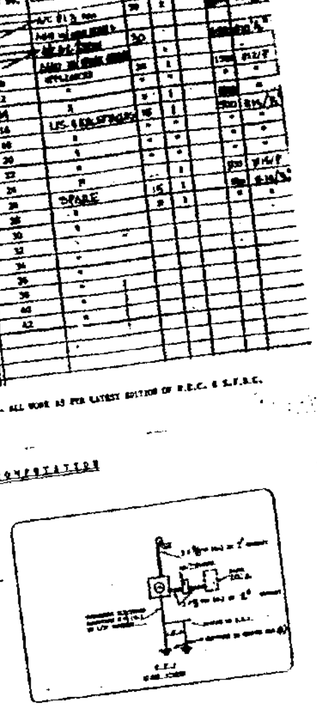
ELECTRICAL CONNECTED LOAD

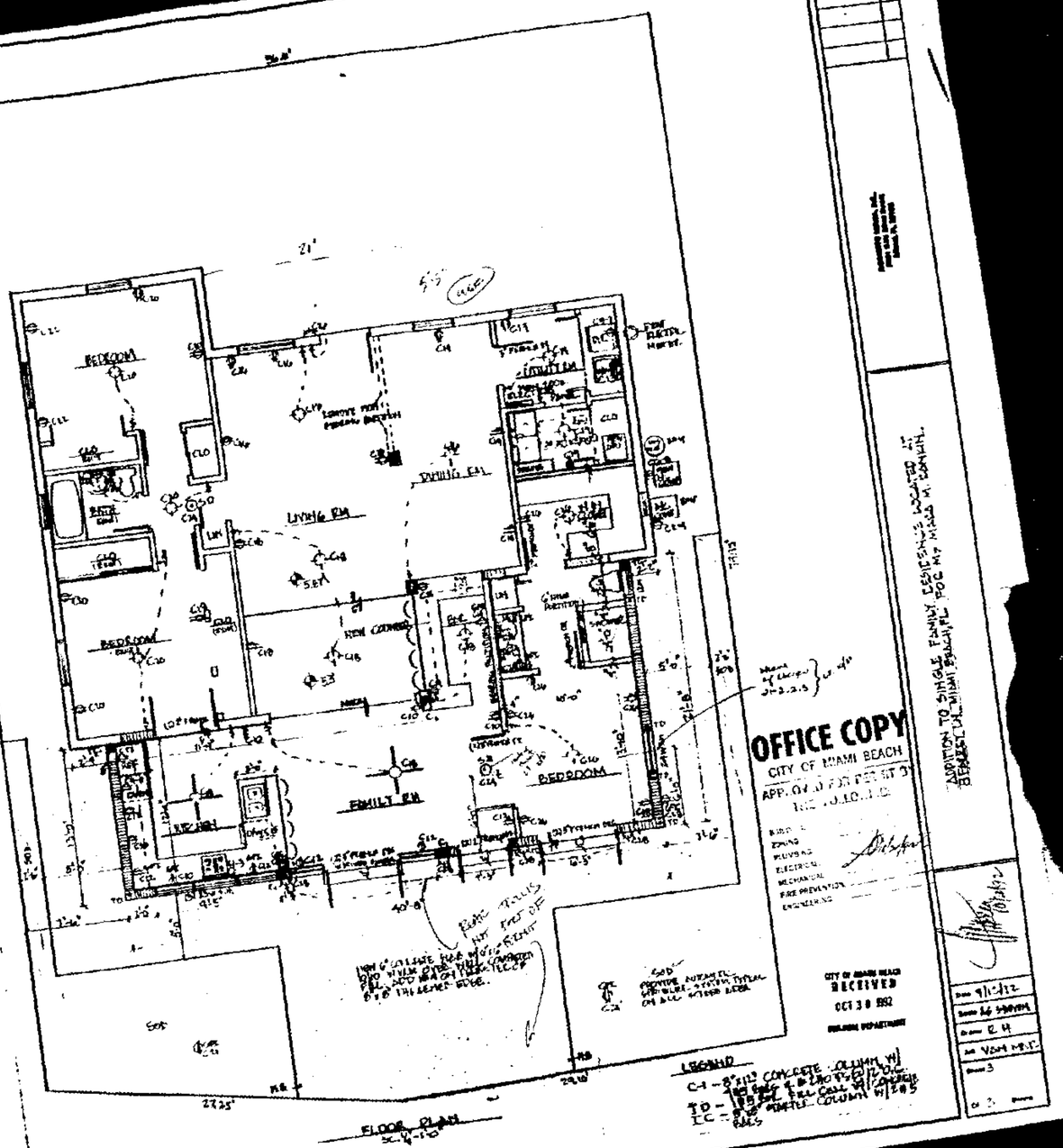
GENERAL LTG & RECEPTACLES	3000 S.F. @ 3W	9000 WATTS
SMALL APPLIANCES @ 1500W 2 CKTS		3000.00
RANGE 12KW @ 8000W 1 CKT		8000.00
DISHWASHER @ 1200W 1 CKT		1200.00
REFRIGERATOR @ 800W 1 CKT		800.00
CLOTHES DRYER @ 5000W 1 CKT		5000.00
WATER HEATER @ 4500W 1 CKT		4500.00
WATER HEATER @ 4500W 1 CKT		4500.00
LARGE A.C. @ 12,000W 2 CKTS		24000.00
	SUBTOTAL	59,500 WATTS

FIRST 10,000 @ 100%	10,000 WATTS	
REMAINING 49,500 @ 40%	19,800 WATTS	
TOTAL DEMAND W/O A/C	29,800	
A/C #1 @ 100%	6,950	
A/C #2 @ 100%		
TOTAL	36,750	

$\frac{36750}{240}$ = 153 AMP. : 200 AMP SERV.

NOTES:
1- 4/0 CU IN 2" PVC CONDUIT, VERTICAL, 24" UNDER GR & 3" CONCRETE.





OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT
BUILDING
ZONING
PLUMBING
ELECTRICAL
MECHANICAL
FIRE PREVENTION
ENGINEERING

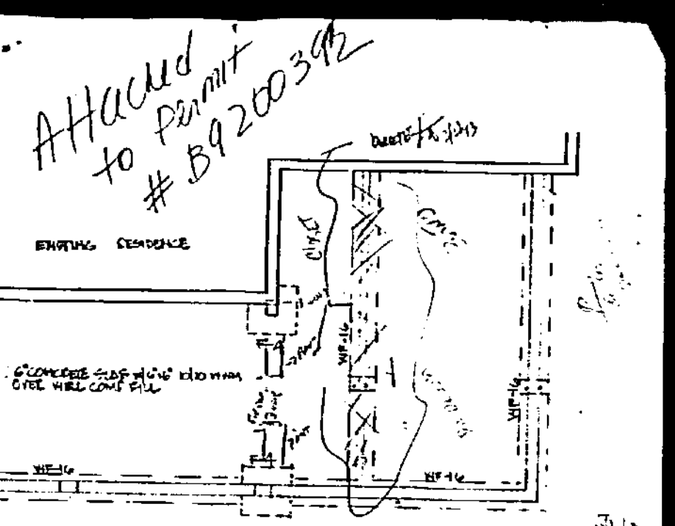
CITY OF MIAMI BEACH
RECEIVED
OCT 30 1992
BUILDING DEPARTMENT

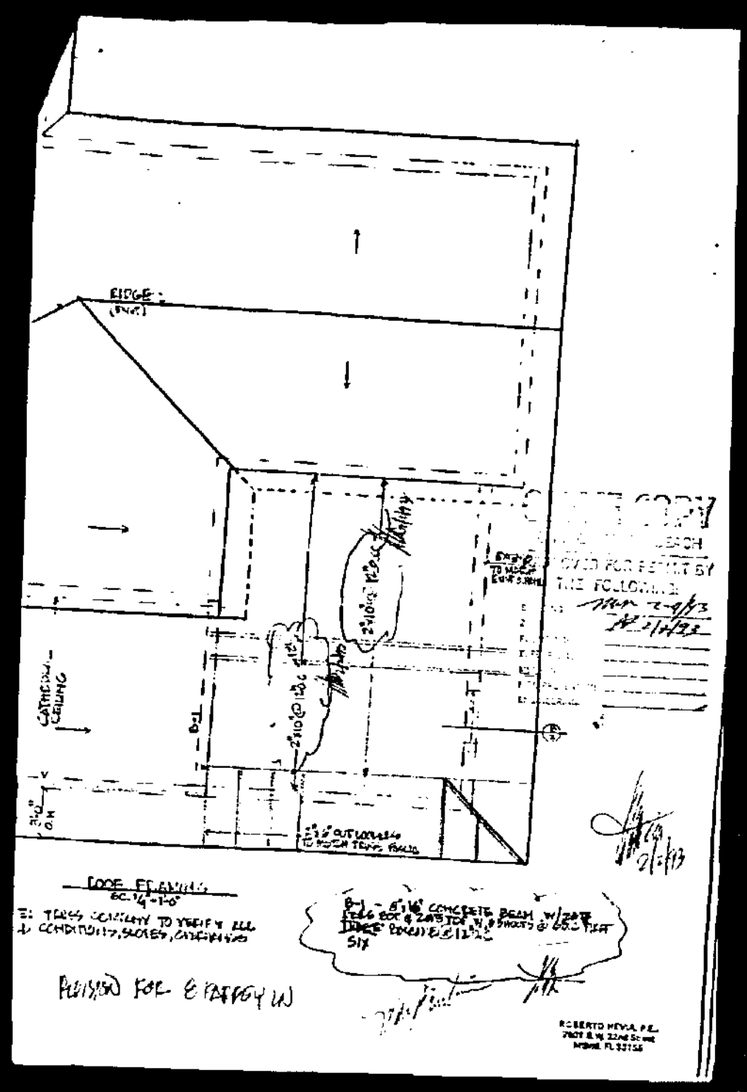
REVISIONS	BY

ADDITION TO SINGLE FAMILY RESIDENCE LOCATED AT 1 MIAMI BEACH, FLA. FOR MR. & MRS. M. LOWENTHAL.

Date 9/10/92
Scale 1/8"=1'-0"
Drawn R.H.
Job YOM M-17
Sheet 3

Attached to permit # B9200392





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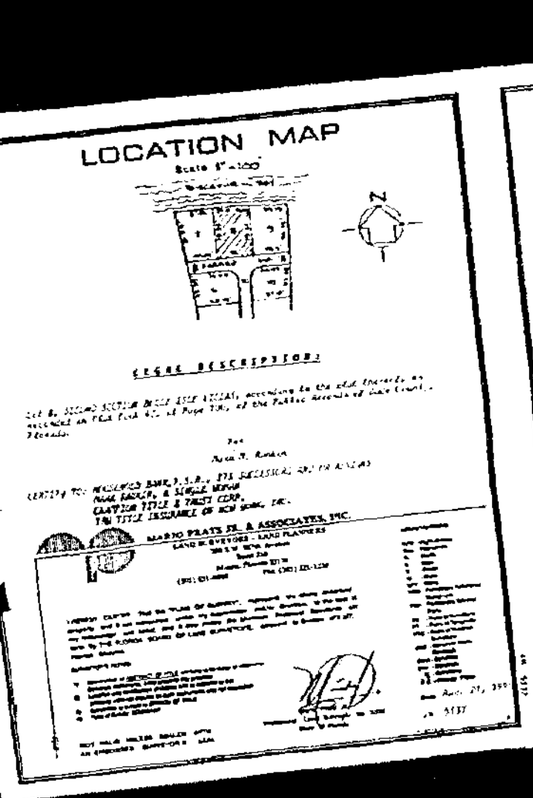
PREVIOUS DOCUMENT IN POOR ORIGINAL CONDITION

PROfessional Microfilm SErvices, Inc.
Miami, Florida

B9200392

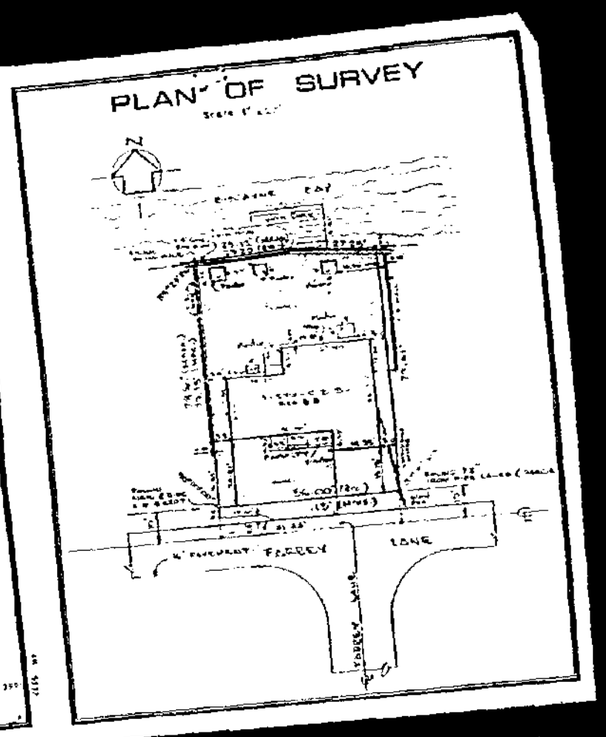
6000020


LOCATION MAP

Scale 1" = 100'

LEGAL DESCRIPTION

MARIO PRATS JR. & ASSOCIATES, INC.

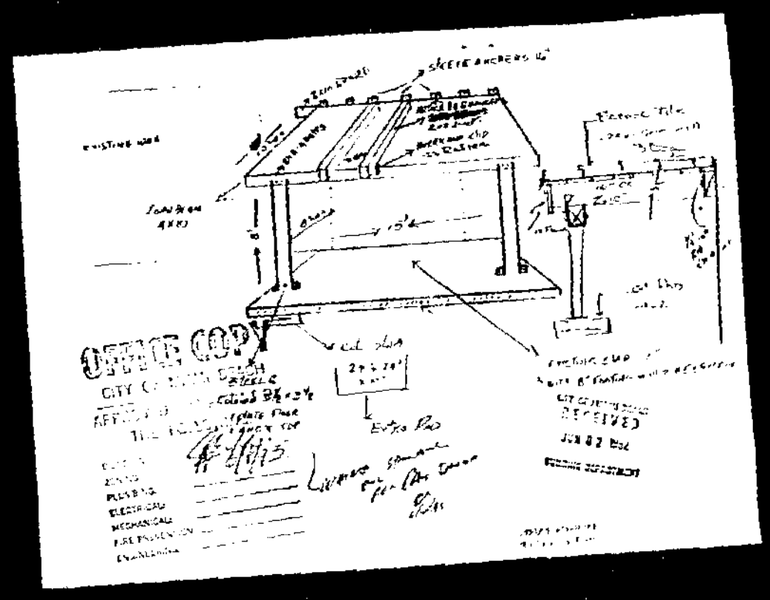

PLAN OF SURVEY

Scale 1" = 20'

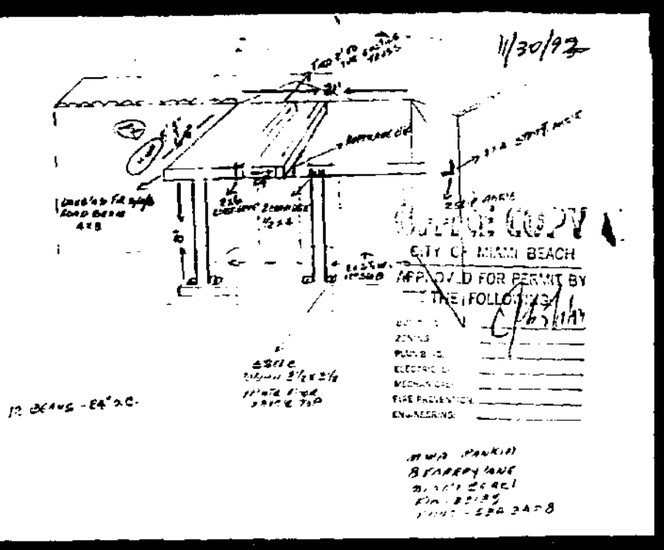
N

EASEMENT

LANE



B920392



11/30/92

CERTIFIED COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING

ZONING
PUBLIC WORKS
ELECTRICAL
MECHANICAL
FIRE PREVENTION
ENGINEERING

B9200392

CONDITIONS OF PERMIT APPROVAL

Permit No : B9203372 Type B-LDC
Location : 6 FARREY LA

DATE 10/29/92
PAGE 1

E318 - DRAINAGE

E332 - Slab section to be minimum 90 sq in not area under ha
reinforcing protection

E358 - GRADES/ELEVATIONS

E362 - General Base Flood Elevation
ZONE AE ELEVATION +8 FT N G V D

E363 - All electrical equipment, outlets, electric meter, heating equipment, etc. below BFE+1 foot to be flood proofed by or at owner

E364 - Plan 3-shall elevation certificate when finished floor construction is completed A/C prior to fin floor inspection

E367 - F.E.M.A. BASE FLOOD Elevation app applicable BFCA-SE

E368 - Redevelopment or less than 50% of value of existing building

E371 - Accession/Conversion finished floor must be at same elevation as adjacent house finished floor

E400 - ENCROACHMENTS/EASEMENTS

E413 - None

E430 - GENERAL COMMENTS

E431 - Public Services Department street permit required for work done on City Property.

E432 - Certificate of occupancy required.
GENERAL CONTRACTOR: Interim SEWER FEE REQUIRED Prior to CERTIFICATE OF OCCUPANCY METRO 115.12

Signature _____ Company _____

Phone _____

(BAPPL)
Printed:10/29/92 07:35:37
Version:DWM3C 910C

CITY OF MIAMI BEACH
Building Department
555 Meridian Avenue
Miami Beach, Florida 33139
(305) 673-7610

Page 1 Of 1

6 FARREY LA
Permit Number : B9203372
Status : PENDING

Type
Is a : Application Waiver
Permit Number : B9203372
Group-occupy/Const Cl :

Project Number: A9229517
Validated By : JA
Inspector Area : B
Date Applied : 10/29/92
Date Received : 10/29/92
Date Completed :
Date to Expire:

Owner :
Applicant : MARA M FARREY
Applicant Addr : 1 HUTCHINSON MEWS
1221 SW 24TH AVE
Phone number : MIAMI, FLA. 33145
Class code : 305-649-0866
Valuation : 1 ACRES
Construction :
Permit to do : 1 GEN
Job Address : 1 PLANS REVISION PERMIT B9120392
1 6 FARREY LA

PAID
Nov 4 92

Fee Activity Fees ***
Fee description

	Units	Fee/Unit	Ext Fee Calc
ENTER REVISED PLANS FEE (MAX $250)	1	122.68	122.68
TOTAL MISCELLANEOUS BUILDING FEES			122.68
TOTAL ALL MISCELLANEOUS FEES ***	0		122.68
Fees Required ***	0		122.68
	0		
	0		
	0		
Fees Collected & Credits ***			122.68

TOTAL FEE DATE
Fees: 122.68
Adjustments: .03
Total Fees: 122.68

Receipt Nbr. Date Payment
06/05/93 122.68
reissued
Total Credits: 122.68
Total Payments: 122.68
Balance Due: .03
122.68
.03

Distribution: 1-Building Inspection Coliwsin Cashier Stand); 2-Building Insp
3-City Accounting Division; 4-Metro Date Citizen Address Sect.; 5-Applicant
(Rev: 9/01: Prmcost.rpt)

WIMBISH REALTY, INC

September 29, 1992

City of Miami Beach
Building Department
555 17th Street
Miami Beach, Florida 33139

Dear Sirs:

It is my professional opinion that the improvement located at 6 Farrey Lane, Miami Beach, Florida, has an estimated value in today's market of $75,000.00

Should you require any further assistance do not hesitate to contact me.

Sincerely,

WIMBISH REALTY, INC.

Carlos A. Wimbish
President

CAW/de

Miami Beach
305 Ocean Drive
Miami Beach, Florida 33139
(305) 673-8700

Gainesville Shops
413 West University Avenue
Gainesville, Florida 32601
(904) 377-8700

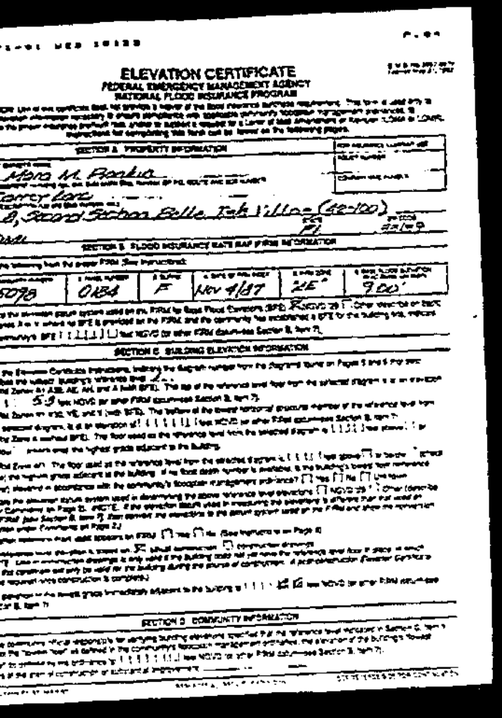
Grand Bay Plaza (Coral Gables)
2665 South Bayshore Drive
Coconut Grove, Florida 33133
(305) 854-8888

DRAWN Hatley PROJECT NO. _____ ELECTRICAL PROCESSOR Brad Chilcote

WHERE PLANS HAVE BEEN RETAINED IN THIS OFFICE AND APPROVED FOR THE PERMITTING AGENCY:
(READ ONLY THOSE ITEMS PERTINENT TO THIS "BY" BLOCK.)

BY		
( )	01.	____
( )	02.	____ Three phase (Wye) (Connect) as shown/noted on E-elevation.
( )	03.	____ Require service riser diagram.
( )	04.	____ Require Panel Schedule: ____ Branch circuit conductor ____ Hardware sizes
( )	05.	____ Require load calculations as comply with ____ Energy Code
( )	06.	____ Electric must be identified/numbered and related to Panel Schedule.
( )	07.	____ Require Variance (EV) load for electric heating elements.
( )	08.	____ Bathtub required for: _____
( )	09.	____ Require additional receptacles ____ at counter/wall.
( )	10.	____ Kitchen must have/have (2) individual 20 amp appliance circuits (NEC) serving more than 2 receptacle outlets (E/P).
( )	11.	____ Kitchen, pantry, breakfast and dining room receptacles require appliance circuits.
( )	12.	____ Bathroom, garage and outdoor receptacles require Ground Fault Interrupter.
( )	13.	____ Closet lights shall conform to N. E. C. Article 410-8.
( )	14.	____ Parallel conductors must be 1/0 and larger.
( )	15.	____ Gutter (wire way) size.
( )	16.	____ Require two electrical sheets.
( )	17.	____ Plans are illegible unable to process.
( )	18.	____ Require a minimum of one receptacle. ____ outdoors ____ garage
( )	19.	____ Conductors/ conduits. ____ laundry
( )	20.	____ Transformer(s) ____ primary ____ secondary
( )	21.	____ Require ground clamps etc. ____ Ground-fault protection required ____ service ____ Connections/ secondary
( )	22.	____ Require seal and signature of ____ Florida Registered Architect ____ Engineer
( )	23.	____ Emergency lighting needed ____ type _____
( )	24.	____ Energy compliance statement required from customer.
( )	25.	____ Smoke detectors (110 volts required) shall be connected to either ____ bedroom or ____ kitchen lighting circuits.
( )	26.	____ Additional comments: _____

B9200392



ELEVATION CERTIFICATE

FEDERAL EMERGENCY MANAGEMENT AGENCY
NATIONAL FLOOD INSURANCE PROGRAM

OMB No. 3067-0077
Expires May 31, 1992

IMPORTANT: In these spaces, copy the corresponding information from the Elevation Certificate. Attach this form to the Elevation Certificate. Read the instructions before completing this form. Print or type. Complete all applicable items.

SECTION A - PROPERTY INFORMATION

A1. Building owner's name: Mario M. Pardo
A2. Building street address (including apt., unit, suite, and bldg. no.) or P.O. Route and Box No.: 7 Forest Lane
A3. City: Ft. Pierce Bella Isle Village (32400) State: FL ZIP Code: 34949
A4. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.): [illegible]

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number	B2. County Name	B3. State	B4. Map/Panel Number	B5. Suffix	B6. FIRM Index Date	B7. FIRM Panel Effective/Revised Date	B8. Flood Zone(s) (Enter zone designations)	B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth)
125099	St. Lucie	FL	0184	F	Nov 4/87	2/E	9.00

B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9: [X] FIS Profile [ ] FIRM [ ] Other source (describe)
B11. Indicate elevation datum used for BFE in Item B9: [ ] NGVD 29 [X] NAVD 88 [ ] Other datum (describe)
B12. Is the building located in a Coastal Barrier Resource System (CBRS) area or Otherwise Protected Area (OPA)? [ ] Yes [X] No
B13. If the building is located in a CBRS area or OPA, was an Elevation Certificate previously issued for it? [ ] Yes [ ] No

SECTION C - BUILDING ELEVATION INFORMATION

C1. Building elevations are based on: [X] Construction Drawings* [ ] Building Under Construction* [ ] Finished Construction
*A new Elevation Certificate will be required when construction of the building is complete.
C2. Elevations - Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE). Complete Items C2.a-h below according to the building diagram specified in Item C1. With the exception of the lowest floor, all elevations must be measured to the top of the subject floor. Provide elevation information for attached diagram number 1
a. Top of bottom floor (including basement, crawlspace, or enclosure floor) 5.9 feet [ ] meters
b. Top of next higher floor [ ] feet [ ] meters
c. Bottom of lowest horizontal structural member (V Zones only) [ ] feet [ ] meters
d. Attached garage (top of slab) [ ] feet [ ] meters
e. Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) [ ] feet [ ] meters
f. Lowest adjacent (finished) grade next to building (LAG) [ ] feet [ ] meters
g. Highest adjacent (finished) grade next to building (HAG) [ ] feet [ ] meters
h. Lowest adjacent grade at lowest elevation of deck or stairs, including structural support [ ] feet [ ] meters
C3. Attached garage (Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE)). Provide elevation information for attached diagram number 1
a. Is the attached garage above the lowest adjacent grade? [ ] Yes [ ] No
b. Are any of the building's utility systems within the garage (e.g., HVAC equipment, water heater, electrical outlets)? [ ] Yes [ ] No
C4. Indicate the following for the building described in C1 above: a. Square footage of attached garage [ ] b. Square footage of crawlspace [ ] c. Square footage of enclosure [ ]
C5. Indicate the following for the building described in C1 above: a. Square footage of attached garage [ ] b. Square footage of crawlspace [ ] c. Square footage of enclosure [ ]
C6. Indicate the following for the building described in C1 above: a. Square footage of attached garage [ ] b. Square footage of crawlspace [ ] c. Square footage of enclosure [ ]

SECTION D - COMMUNITY INFORMATION

D1. The information in Section C was taken from: [ ] Community records [ ] Other (describe)
D2. Indicate elevation datum used for BFE in Item B9: [ ] NGVD 29 [ ] NAVD 88 [ ] Other datum (describe)
D3. Indicate elevation datum used for elevations in Items C2.a-h above: [ ] NGVD 29 [ ] NAVD 88 [ ] Other datum (describe)
D4. Is the building located in a community participating in the Community Rating System (CRS)? [ ] Yes [ ] No
D5. Is the building located in a community that has adopted a BFE for the building that replaces the BFE on the FIRM? [ ] Yes [ ] No
D6. Is the building located in a community that has adopted a BFE for the building that is higher than the BFE on the FIRM? [ ] Yes [ ] No
D7. Community's BFE: [ ] NGVD or other datum (describe) [ ] NAVD or other datum (describe) Source Section B, Item 7).

SECTION E - BUILDING ELEVATION INFORMATION

E1. Provide elevation information for the building and the attached garage, if applicable, in the spaces below. Indicate the diagram number from the diagrams found on Pages 5 and 6 that was used to complete this section. Diagram number(s) entered below must be consistent with the Zone designation specified in Item B6 (e.g., Zone AE, A30, or A (with BFE)). The top of the lowest horizontal structural member of the attached garage must be measured for Zones V1-V30, VE, and V (with BFE). The bottom of the lowest horizontal structural member of the attached garage must be measured for Zones A1-A30, AE, AH, and A (with BFE). The floor used as the reference level must be the same floor shown in Item C2.a. For elevation drawings, the garage floor must be the same as or higher than the floor used as the reference level. The highest grade adjacent to the building must be the highest grade shown in Item C2.g or C2.h.
Diagram Number: 1 [ ] feet [X] meters
a. Top of bottom floor (including basement, crawlspace, or enclosure floor) 5.9 [ ] feet [X] meters
b. Top of next higher floor [ ] feet [ ] meters
c. Bottom of lowest horizontal structural member (V Zones only) [ ] feet [ ] meters
d. Attached garage (top of slab) [ ] feet [ ] meters
e. Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) [ ] feet [ ] meters
f. Lowest adjacent (finished) grade next to building (LAG) [ ] feet [ ] meters
g. Highest adjacent (finished) grade next to building (HAG) [ ] feet [ ] meters
h. Lowest adjacent grade at lowest elevation of deck or stairs, including structural support [ ] feet [ ] meters

SECTION F - PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone V (with a BFE) must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge.
Property Owner or Owner's Authorized Representative's Name: Mario M. Pardo
Address: 7 Forest Lane City: Ft. Pierce Bella Isle Village State: FL ZIP Code: 34949
Signature: [signature] Date: 11/27/91 Telephone: (407) 464-8200

SECTION G - COMMUNITY OFFICIAL CERTIFICATION

The community official authorized to administer the community's floodplain management ordinance must complete Sections B, C (Items C2.a-h), D, and G. Complete Section E for Zone A (without a FEMA-issued or community-issued BFE) or Zone V (with a BFE). Sign here. The statements in Sections B, C, and D are correct to the best of my knowledge.
Title: [illegible] Community Name: [illegible] Telephone: [illegible]
Signature: [illegible] Date: [illegible]

COMMENTS:

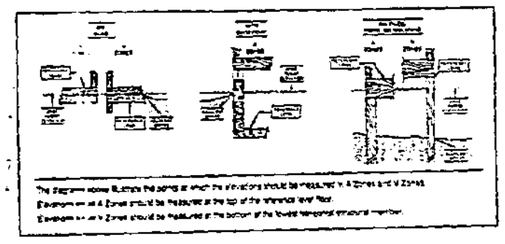
Check here if attachments.

SECTION H - ELEVATION CERTIFICATE PREPARER CERTIFICATION

The certifier shall be a licensed land surveyor, registered professional engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.
Certifier's Name: Mario Pardo Jr. License Number: PLS # 3228
Title: Professional Land Surveyor Company Name: Pardo Jr. & Assoc. Inc.
Address: 500 S.W. 19th Ave. City: Okeechobee State: FL ZIP Code: 34974
Signature: [signature] Date: July 29, 1991 Telephone: (407) 561-4002

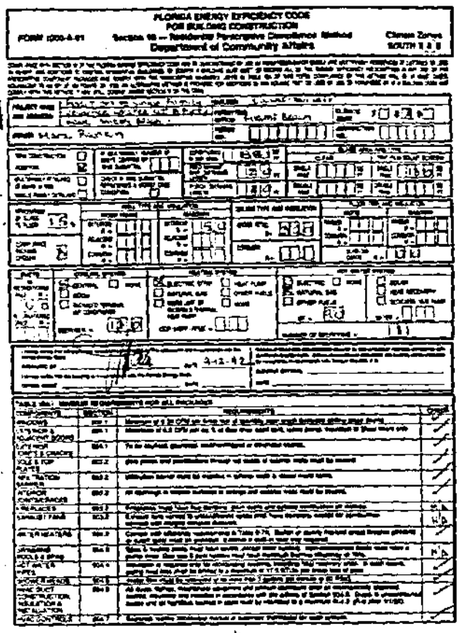
Copies of this Certificate may be required by certain Federal, State, local officials, and insurance agents/companies.

COMMENTS:



The Diagram Above Illustrates the Points at Which the Elevations Should Be Measured for A Zones and V Zones.
Elevation on A Zones should be measured at the top of the reference level floor.
Elevation on V Zones should be measured at the bottom of the lowest horizontal structural member.

Page 7



FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION
FORM 1000-A-91 — Section 16 — Residential Prescriptive Compliance Method — Department of Community Affairs — Climate Zones SOUTH 1 2 3

B9200392

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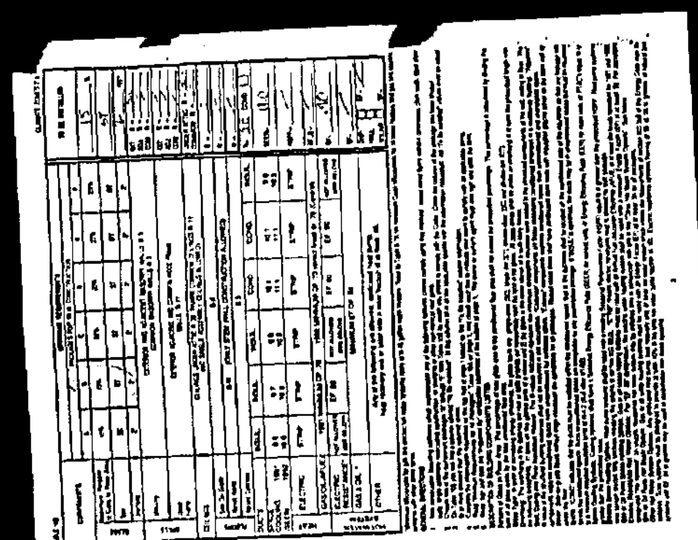


MIAMIBEACH

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 FARRELL 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):** _____

- [X] Special Inspector for Pilings, FBC 1822.1.20
- [ ] 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 35 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.

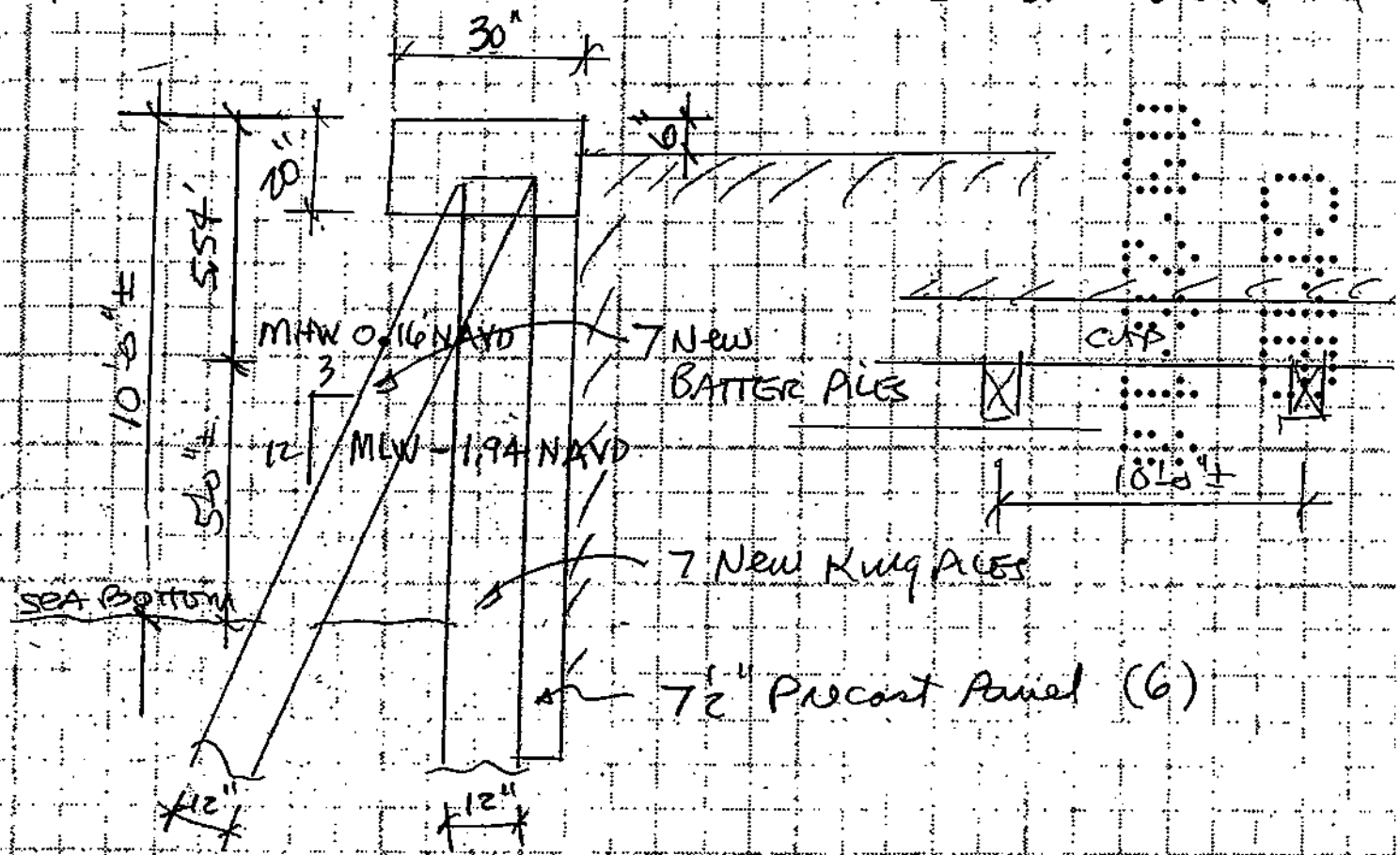
Signed and Sealed: _____
Architect/Engineer Signature: _____
Architect/Engineer Name Printed: EDWARD A. LAMAS P.E.
Address: 7850 NW 146 ST. #589, MIAMI LAKES, FL 33016
Phone Number: 305-299-7543
License Number: 038598
Owner/Agent Signature: _____
Owner/Agent Name Printed: _____
Date: 9-10-18
Building Department Accepted By: VF 9.28.18

STATE OF FLORIDA LICENSE No. 38398 PROFESSIONAL ENGINEER EDWARD A. LAMAS

NOTICE: In addition to the requirements of this permit, there may be additional restrictions applicable to this property that may be found in the Public Records of this county, there may be additional permits required from other governing bodies such as water management districts, state agencies, or federal agencies.

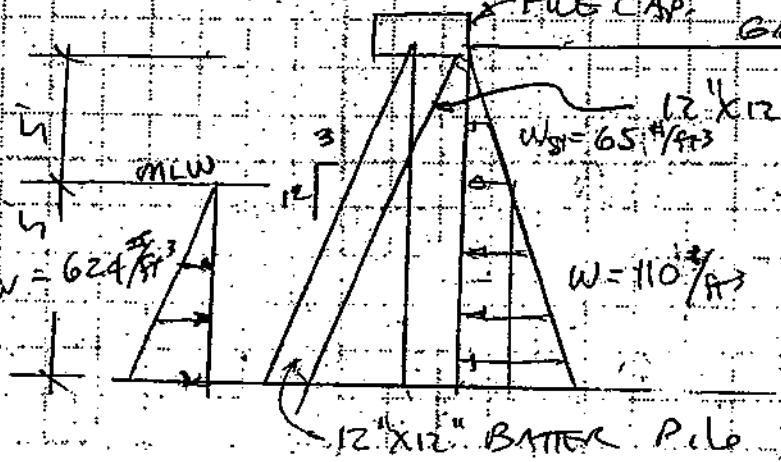
The City of Miami Beach does not assume any responsibility for accuracy of or results in these plans which are subject to compliance with all Federal, State and Local Laws, Rules and Regulations.

A. Design Structural Elements of Seawall



1. Loads on Bulkhead

Saturated Soil = 110 #/ft

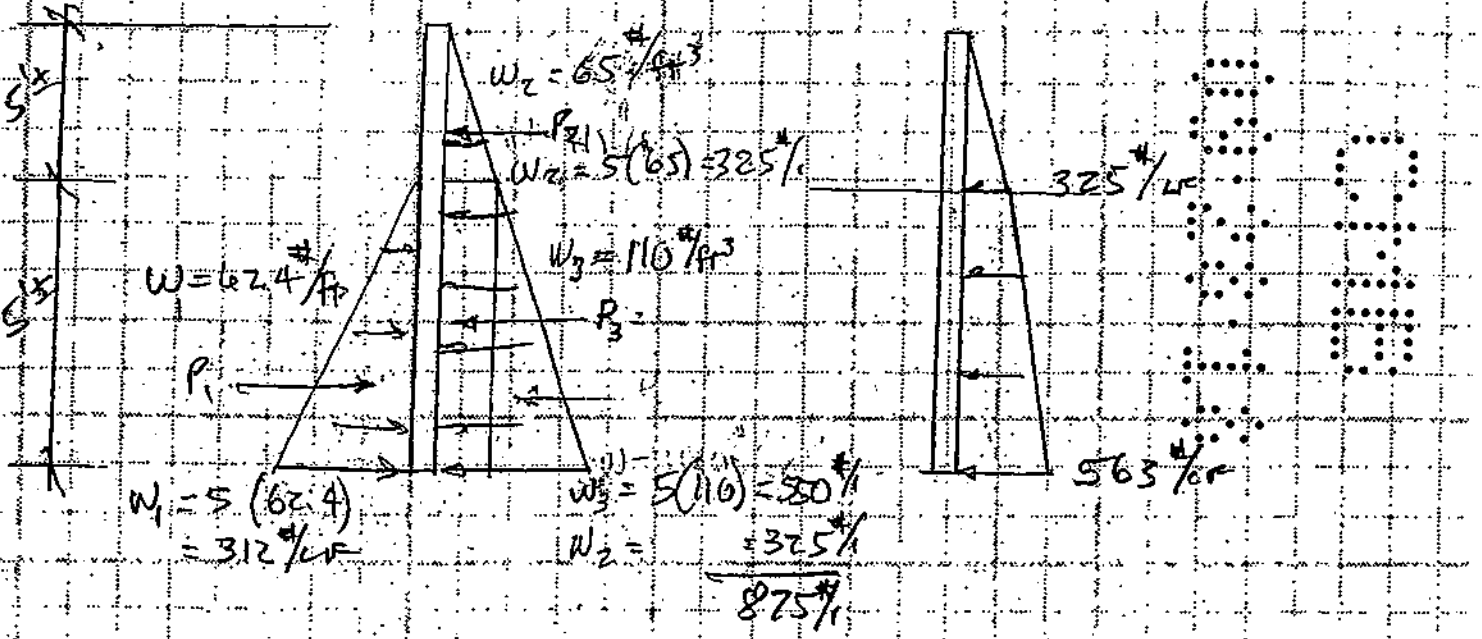


(1816488)

Edward A. LANDERS, P.E.
CONSULTING ENGINEER
EDWARD A. LANDERS
LICENSE #038398
No 38398
(305)823-3988
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Seawall/Dock 8 Farrey Lane	
Calcs.	
9-3-18	1

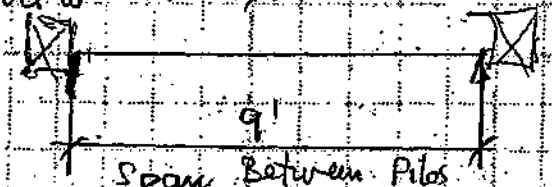
② Design Concrete Sheet Pile PANEL:



TOTAL LOADS

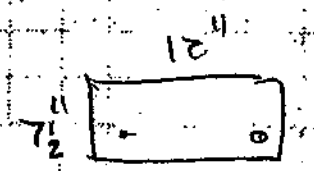
NET LOADS

$U_{ULT\,W} = 0.563 \times 1.55 = 0.87$ #/LF



$$M = \frac{0.87 (9)^2}{8}$$ ft

$M = 8.83$



$d = 7.5 - \frac{5}{16} = 4.62"$

$$F = \frac{12 (4.62)^2}{120} = 0.021$$

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

$P = 0.0075$

$A_S = 0.0060 (12)(4.62)$

$A_S = 0.31$ in²

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CALC.

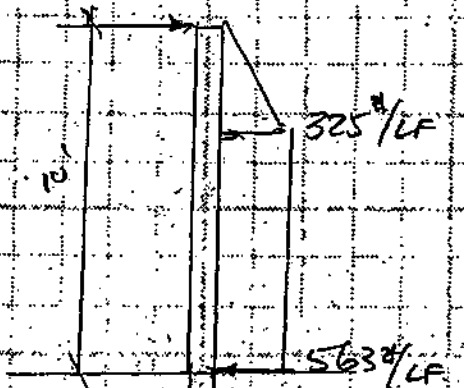
9-3-15

$A_s = 0.31$ in²

USE: #5 Bars @ 12" OC EW (One Layer)

$A_s = 0.3$ → 0.31 in² (OK)

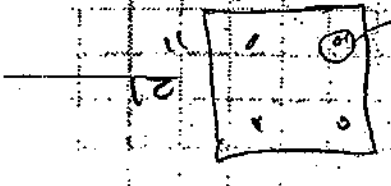
③ Loads on Vertical Pile

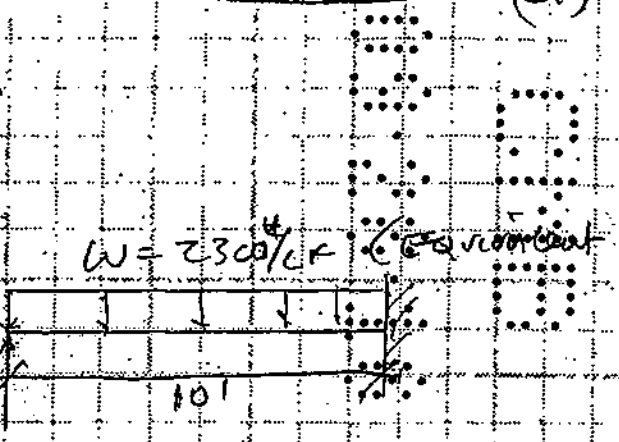


Equivalent Loads = 230 #/LF

Trib Area = 10'-0"

$w = 10.0(230) = 2300$ #/LF





$$M_{MAX} = \frac{wl^2}{8} = \frac{2300(1.55)(10)^2}{8}{}^{1K} = 44.56$$

$M_{MAX} = 44.56$

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

$R_1 = 8625$ #

Maximum Bending Moment From MFC = 47.95 ^{1K} > 44.56 ^{1K} (OK)
@ 14' Span

USE: 12" x 12" Prestressed Pile

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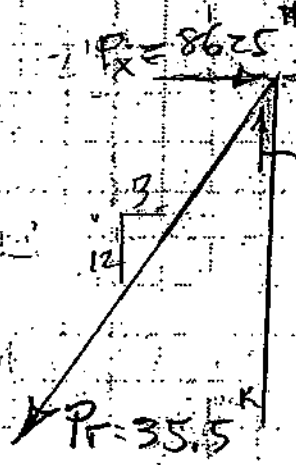
CACES

9-3-18

④ BATTER Pile CAPACITY

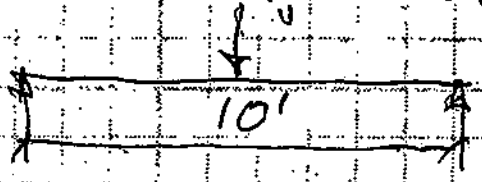


$P_y = 8625\left(\frac{12}{3}\right) = 34{,}500^{\#}$

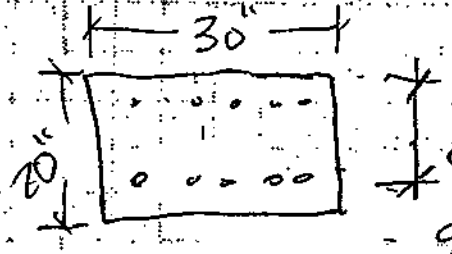
BATTER Pile Capacity
$= 25^{T} = 50000^{\#} > 35{,}560^{\#}$ (OK)

USE 12"x12" Pile (OK)

⑤ SERVICE CAP BEAM



$$M = P_v \frac{\ell}{4} = \frac{8625(1.55)(10')}{4} = 33.42^{IK}$$



$d = 20 - 3 - \frac{5}{16}$

$d = 16.68"$

$$F = \frac{30(16.68)^2}{12^3} = 0.69$$

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PILES

9-3-10

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

$\rho_{MIN} = 0.0033$

$A_s = 0.0033 (30)(16.68)$

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

USE: 6 - #5 Bars top of Beam w/ #3 stirrups @ 10" oc. (3 pcs per pier)

CAP.

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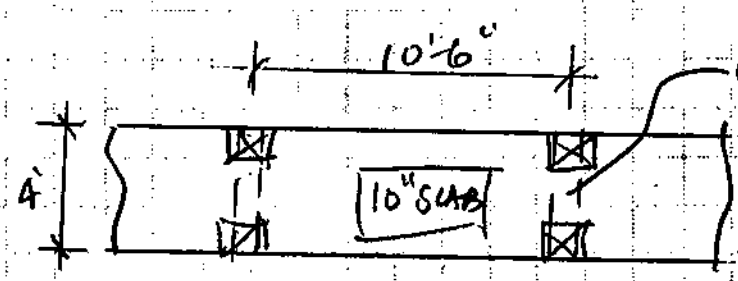
CACJ

9-3-18

B. DESIGN FINGER PIER



DESIGN LOADS:

LL = 40 PSF

DL = 25 PSF

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

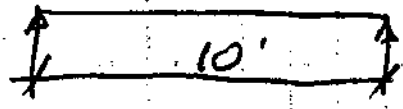
TOTAL = 190 PSF

Trib Area = 4.0 SF/LF

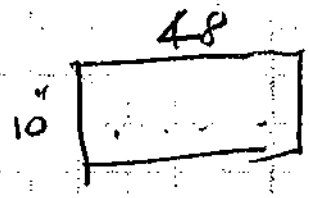
w = 4.0 (190) = 760 #/'

(1.) DESIGN SLAB:

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



$M = \frac{1.178 (10)^2}{9} = 14.72^{IK}$



$d = 10 - 2 - \frac{5}{16} = 7.68"$

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

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

$\rho_{min} = 0.0033$

$A_s = 0.0033 (48)(7.68)$

$= 1.21 in^2$

FINGER SLAB

USE: 4 - #5 Bars e/w Typ & Both.

$A_s = 1.24 in^2 > 1.21 in^2$ OK

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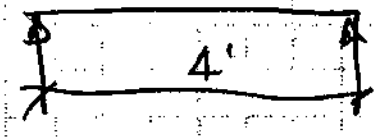
		9-3-18 / 6

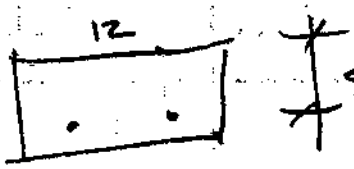
(2.) Band Beam: $V = 5.89 \times 2 = 11.78^{K}$

$\div 4 = 2.94^{K}/LF$

$W_u = 2.94^{K}/_{L}$



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



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

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

$P_{MIN} = 0.0033$

$A_s = 0.0033(12)(7.68)$

$A_s = 0.30\ in^2$

BAND BEAM: USE: 2-#5 Bars Bottom

$A_s = 0.62\ in^2 > 0.30\ in^2$

(3.) Loads on Piles

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

Piles: USE: 12 x 12 Prestressed Piles

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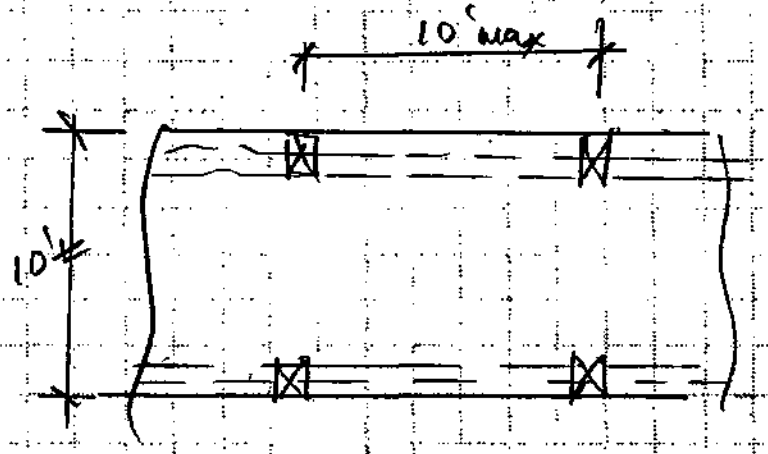
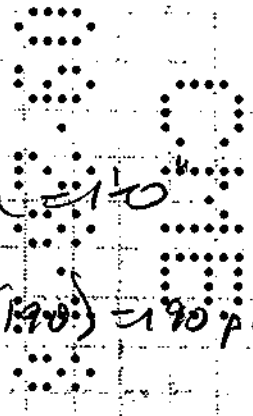
		9-3-18 | 7

C. Main Dock



Design Load = 190 psf

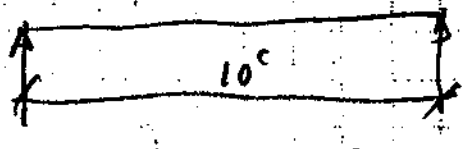


Unit Area = 1'-0"

$w = 1.0(190) = 190$ plf

(1) Design Slab

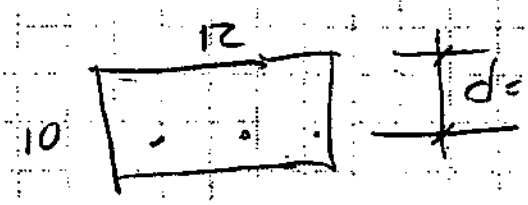
$W_u = 0.19 \times 1.55 = 0.29$ k/ft



$M = \frac{0.29(10)^2}{8} = 3.68$ ft-k

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

$K = \frac{M}{F} = \frac{3.68}{0.058} = 63.4$



$\rho_{min} = 0.0033$

$A_s = 0.0033(12)(7.68)$

$A_s = 0.30$ in^2

USE: #5 Bars @ 12" o.c. EW top & Bott

SLAB

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CONSULTING ENGINEERS
P.E. #038398
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CAces

9-3-18

8

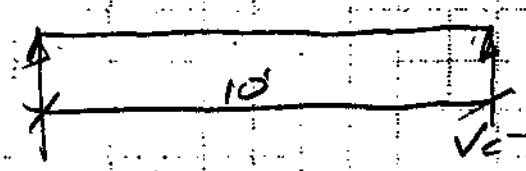
(2.) DESIGN Band Beam

$W_u = 0.95 \times 1.55 = 1.47^{K/'}$

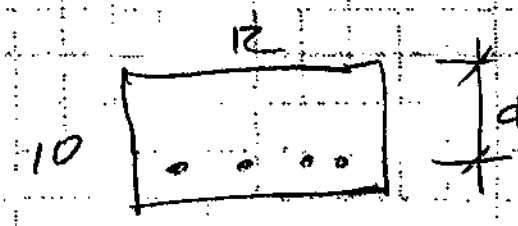
DESIGN LOAD = 190 PSF

TRIB AREA = 10/2 = 5.0 SF/LF

$W = 5.0\,(190) = 950\ \#/'$



$M = \frac{1.47\,(10)^2}{8} = 18.4^{1K}$



$F = \frac{12(7.68)}{12\,W} = 0.058$

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

$\rho = 0.0056$

$A_S = 0.0056\,(12)(7.68)$

$A_S = 0.51\ in^2$

Band Beam: USE: 4 - #5 Bars Bottom

$A_S = 1.24\ in^2 > 0.51\ in^2$ (OK)

(3.) LOAD ON PILES

MAX LOAD = $7.35 \times 2 = 14.7^K < 20^K$ per Pile.

Piles: USE: 12x12 PRESTRESSED Pile w/ 10T CAPACITY

Edward A. LANDERS, P.E.
CONSULTING ENGINEERS
P.E. #038398
(305)823-3938

CALCS

9-3-18

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

Load Adjustment Factors (Anchor Spacing) f_A

Tensile/Shear

Spacing s in. (mm)	Anchor Diameter ¼	⅜	½	⅝	¾	1
1⅛ (29)	.70					
1⅝ (41)	.83	.70				
2 (51)	.93	.77				
2¼ (57)	1.0	.82	.70			
2½ (64)		.86	.73			
2¾ (70)		.91	.77	.70		
3⅛ (83)		1.0	.83	.75	.70	
3¾ (95)			.90	.81	.75	
4½ (114)			1.0	.89	.82	.70
5 (127)				.95	.86	.73
5½ (140)				1.0	.91	.77
6 (152)					.95	.80
6½ (165)					1.0	.83
7 (178)						.87
8 (203)						.93
9 (229)						1.0

$$f_A = 0.3\,\frac{s}{h_{min}} + 0.40 \quad \text{for } s_{cr} > s > s_{min}$$

Load Adjustment Factors (Edge Distance) f_R

Tensile f_{RN}

Edge Distance c in. (mm)	Anchor Diameter ¼	⅜	½	⅝	¾	1
1⅛ (29)	.80					
1⅝ (41)	.97	.80				
2 (51)	1.0	.89				
2¼ (57)		.95	.80			
2½ (64)		1.0	.84			
2¾ (70)			.89	.80		
3⅛ (83)			.98	.87	.80	
3¾ (95)			1.0	.95	.86	
4½ (114)				1.0	.95	.80
5 (127)					1.0	.84
5½ (140)						.89
6 (152)						.93
6½ (165)						.98
7 (178)						1.0
8 (203)						
9 (229)						
10 (254)						
12 (305)						
14 (356)						

$$f_{RN} = 0.4\,\frac{c}{h_{min}} + 0.40 \quad \text{for } c_{cr} > c > c_{min}$$

Shear f_{RV}

Anchor Diameter

Edge Distance c in. (mm)	¼	⅜	½	⅝	¾	1
1⅛ (29)						
1⅝ (41)	.50					
2 (51)	.59					
2¼ (57)	.67					
2½ (64)	.74	.51				
2¾ (70)	.81	.56				
3⅛ (83)	.96	.67				
3¾ (95)	1.0	.77	.56			
4½ (114)		.92	.67	.54		
5 (127)		1.0	.74	.61	.51	
5½ (140)			.81	.67	.56	
6 (152)			.89	.73	.61	
6½ (165)			.97	.79	.67	
7 (178)			1.0	.85	.72	.52
8 (203)				.97	.82	.59
9 (229)				1.0	.92	.67
10 (254)					1.0	.74
12 (305)						.89
14 (356)						1.0

$$f_{RV} = 0.333\,\frac{c}{h_{min}} \quad \text{for } c_{cr} > c > c_{min}$$

Influence of Anchor Spacing and Edge Distance f_A, f_R (h_{nom} = standard embedment)

Load Adjustment Factors (Anchor Spacing) f_A

Tension/Shear

Spacing s in. (mm)	Anchor Diameter ¼	⅜	½	⅝	¾	1
2 (51)	.70					
2¼ (57)	.74					
2½ (64)	.78	.70				
2¾ (70)	.81	.73				
3⅛ (83)	.89	.79				
3¾ (95)	.96	.85	.72			
4½ (114)	1.0	.94	.79	.74		
5 (127)		1.0	.83	.78	.72	
5½ (140)			.87	.81	.75	
6 (152)			.91	.85	.78	.70
6½ (165)			.96	.89	.81	.73
7 (178)			1.0	.93	.84	.75
8 (203)				1.0	.91	.80
9 (229)					.97	.85
10 (254)					1.0	.90
12 (305)						1.0
14 (356)						
16 (406)						
18 (457)						

$$f_A = 0.3\,\frac{s}{h_{nom}} + 0.40 \quad \text{for } s_{cr} > s > s_{min}$$

Load Adjustment Factors (Edge Distance) f_R

Tension f_{RN}

Edge Distance c in. (mm)	Anchor Diameter ¼	⅜	½	⅝	¾	1
2 (51)	.80					
2¼ (57)	.85					
2½ (64)	.90	.80				
2¾ (70)	.95	.84				
3⅛ (83)	1.0	.92				
3¾ (95)		1.0	.83			
4½ (114)			.91	.85		
5 (127)			.97	.90	.82	
5½ (140)			1.0	.95	.86	
6 (152)				1.0	.91	.80
6½ (165)					.95	.83
7 (178)					1.0	.87
8 (203)						.93
9 (229)						1.0
10 (254)						
12 (305)						
14 (356)						
16 (406)						
18 (457)						

$$f_{RN} = 0.4\,\frac{c}{h_{nom}} + 0.40 \quad \text{for } c_{cr} > c > c_{min}$$

Shear f_{RV}

Anchor Diameter

Edge Distance c in. (mm)	¼	⅜	½	⅝	¾	1
2 (51)	.59					
2¼ (57)	.67					
2½ (64)	.74	.51				
2¾ (70)	.81	.56				
3⅛ (83)	.96	.67				
3¾ (95)	1.0	.77	.56			
4½ (114)		.92	.67	.54		
5 (127)		1.0	.74	.61	.51	
5½ (140)			.81	.67	.56	
6 (152)			.89	.73	.61	
6½ (165)			.97	.79	.67	
7 (178)			1.0	.85	.72	.52
8 (203)				.97	.82	.59
9 (229)				1.0	.92	.67
10 (254)					1.0	.74
12 (305)						.89
14 (356)						1.0

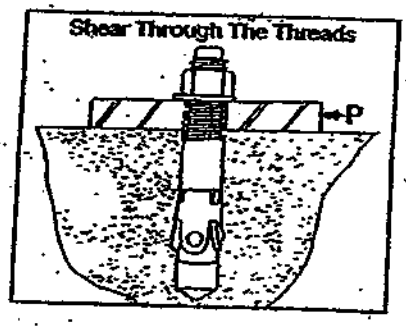
$$f_{RV} = 0.333\,\frac{c}{h_{nom}} \quad \text{for } c_{cr} > c > c_{min}$$

Kwik Bolt II Expansion Anchor

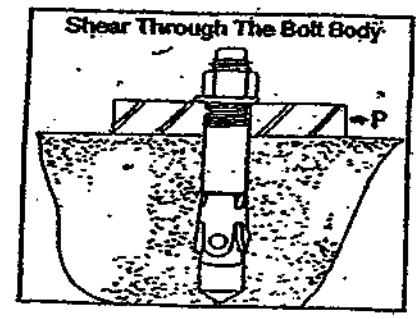
Carbon Steel Kwik Bolt II Allowable Loads in Concrete

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)	670 (3.0)	530 (2.4)
	3 1/4* (95)	670 (3.0)		670 (3.0)		670 (3.0)			
3/8 (9.5)	1 5/8 (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 1/2* (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)			
5/8 (15.9)	2 3/4 (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)			
3/4 (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)	4050 (18.0)	7600 (33.8)	4670 (20.8)	8140 (36.2)	5870 (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.

AMERICAN WOOD

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	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	$F_{c\perp}$	F_c	E	E_{min}	G	
SOUTHERN PINE										
Dense Select Structural	2" - 4" wide	2,700	1,900	175	660	2,050	1,800,000	690,000	0.55	SPIB
Select Structural		2,350	1,650	175	565	1,800	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	580,000		
No.1 Non-Dense		1,300	875	175	480	1,550	1,400,000	510,000		
No.2 Dense		1,200	750	175	660	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		650	400	175	565	850	1,300,000	470,000		
Construction	4" wide	875	500	175	565	1,600	1,400,000	510,000	0.55	
Standard		475	275	175	565	1,300	1,200,000	440,000		
Utility		225	125	175	565	850	1,200,000	440,000		
Dense Select Structural	5" - 5" wide	2,400	1,850	175	660	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	580,000		
No.1 Non-Dense		1,200	775	175	480	1,450	1,400,000	510,000		
No.2 Dense		1,050	650	175	660	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		850	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	6" wide	2,200	1,650	175	660	1,850	1,900,000	690,000	0.55	SPIB
Select Structural		1,950	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		

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	Modulus of Elasticity E	Modulus of Elasticity E_{min}	G	
SOUTHERN PINE (Continued)										
Dense Select Structural	10" wide	1,950	1,300	175	560	1,800	1,800,000	690,000	0.55	SPIB
Select Structural		1,700	1,150	175	565	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	560	1,650	1,800,000	690,000		
No.1		1,050	700	175	555	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	560	1,350	1,500,000	580,000		
No.2		800	475	175	555	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	555	750	1,300,000	470,000		
Dense Select Structural	12" wide	1,800	1,250	175	560	1,750	1,900,000	690,000	0.55	SPIB
Select Structural		1,600	1,100	175	555	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	560	1,500	1,800,000	660,000		
No.1		1,000	650	175	555	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	560	1,300	1,500,000	580,000		
No.2		750	450	175	555	1,250	1,400,000	510,000		
No.2 Non-Dense		700	400	175	480	1,250	1,300,000	470,000		
No.3 and Stud		450	250	175	555	725	1,300,000	470,000		
NORTHERN PINE (Visually Graded)										
Select Structural	2" - 4" wide	2,050	1,200	175	565	1,800	1,800,000	690,000	0.51	SPIB
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		650	400	175	565	850	1,200,000	440,000		
Construction	4" wide	850	500	175	565	1,600	1,300,000	470,000	0.51	
Standard		475	275	175	565	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	580,000	0.51	
No.1		1,300	750	175	565	1,650	1,500,000	550,000		
No.2		1,000	600	175	565	1,450	1,400,000	510,000		
No.3 and Stud		575	350	175	565	775	1,200,000	440,000		
Select Structural	8" wide	1,750	1,000	175	565	1,600	1,600,000	580,000	0.51	
No.1		1,200	700	175	565	1,450	1,500,000	550,000		
No.2		925	550	175	565	1,350	1,400,000	510,000		
No.3 and Stud		525	325	175	565	800	1,200,000	440,000		
Select Structural	10" wide	1,500	875	175	565	1,600	1,600,000	580,000	0.51	
No.1		1,050	600	175	565	1,450	1,500,000	550,000		
No.2		800	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		

1. **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.
2. **STRESS-RATED BOARDS.** Information for various grades of Southern Pine stress-rated boards of nominal 1", 1¼", and 1½" 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_v and $F_{c\perp}$; 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.

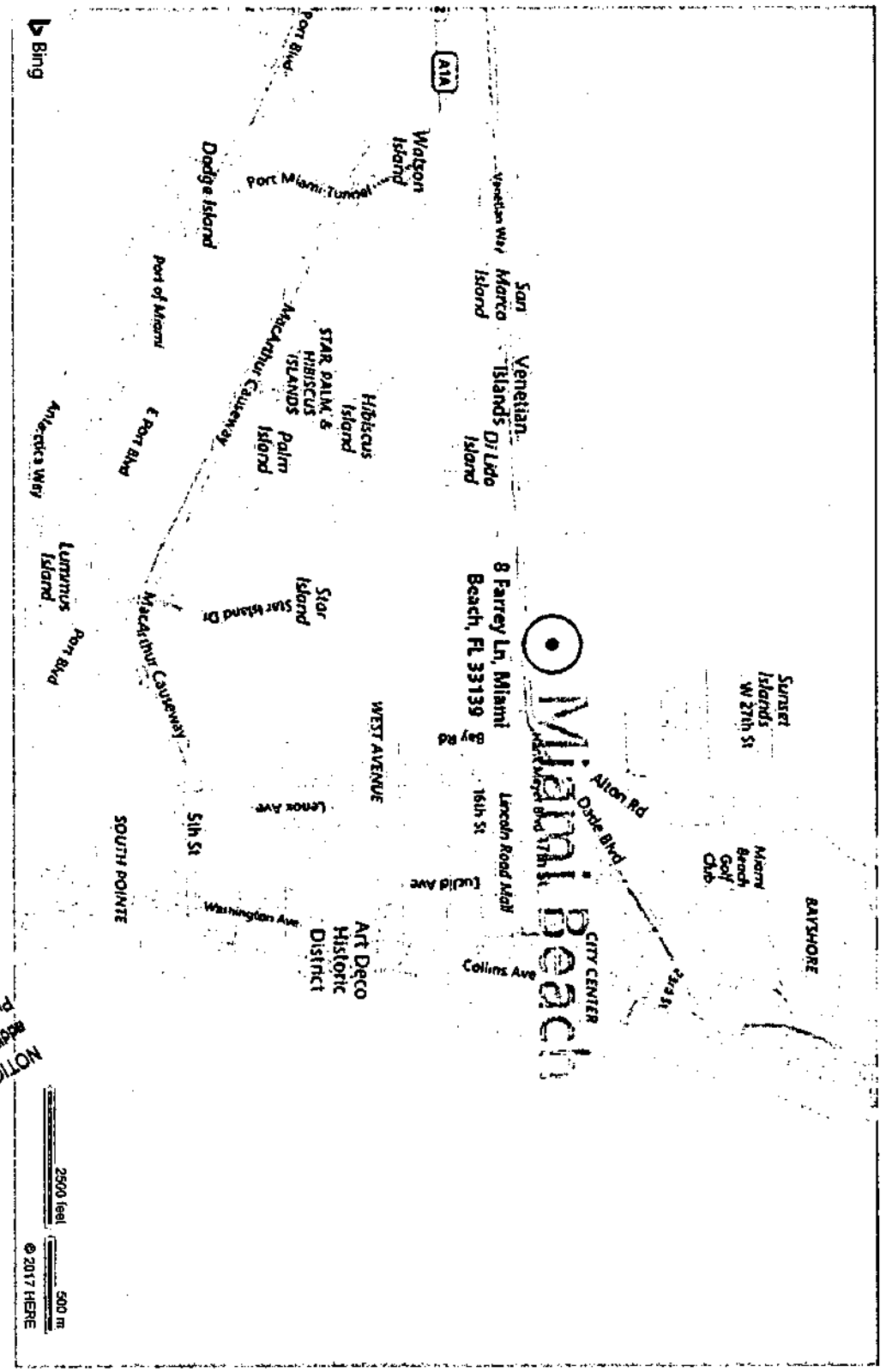
CONVERSION FACTORS FOR DETERMINING DESIGN VALUES FOR SPRUCE PINE

	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	$F_{c\perp}$	F_c	E and E_{min}
Conversion Factor	0.76	0.76	0.96	0.76	0.76	0.52

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, $F_{c\perp}$, 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 governmental entities such as water management districts, state agencies, or federal agencies.

The City of Miami Beach assumes no responsibility for accuracy of or results from these plans which are approved subject to compliance with all Federal, State, and Local Laws, Rules and Regulations.

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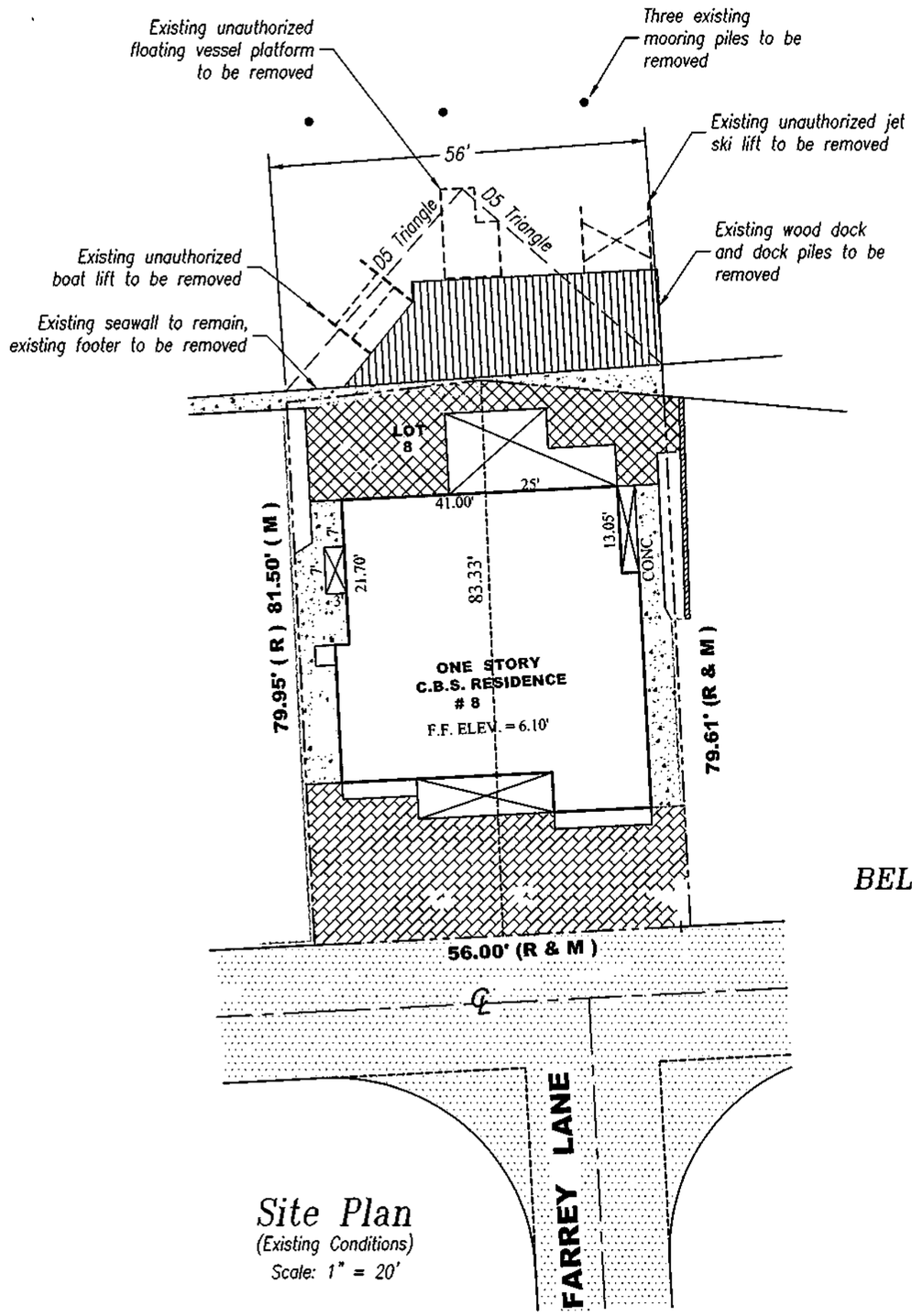
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES

BB180264S

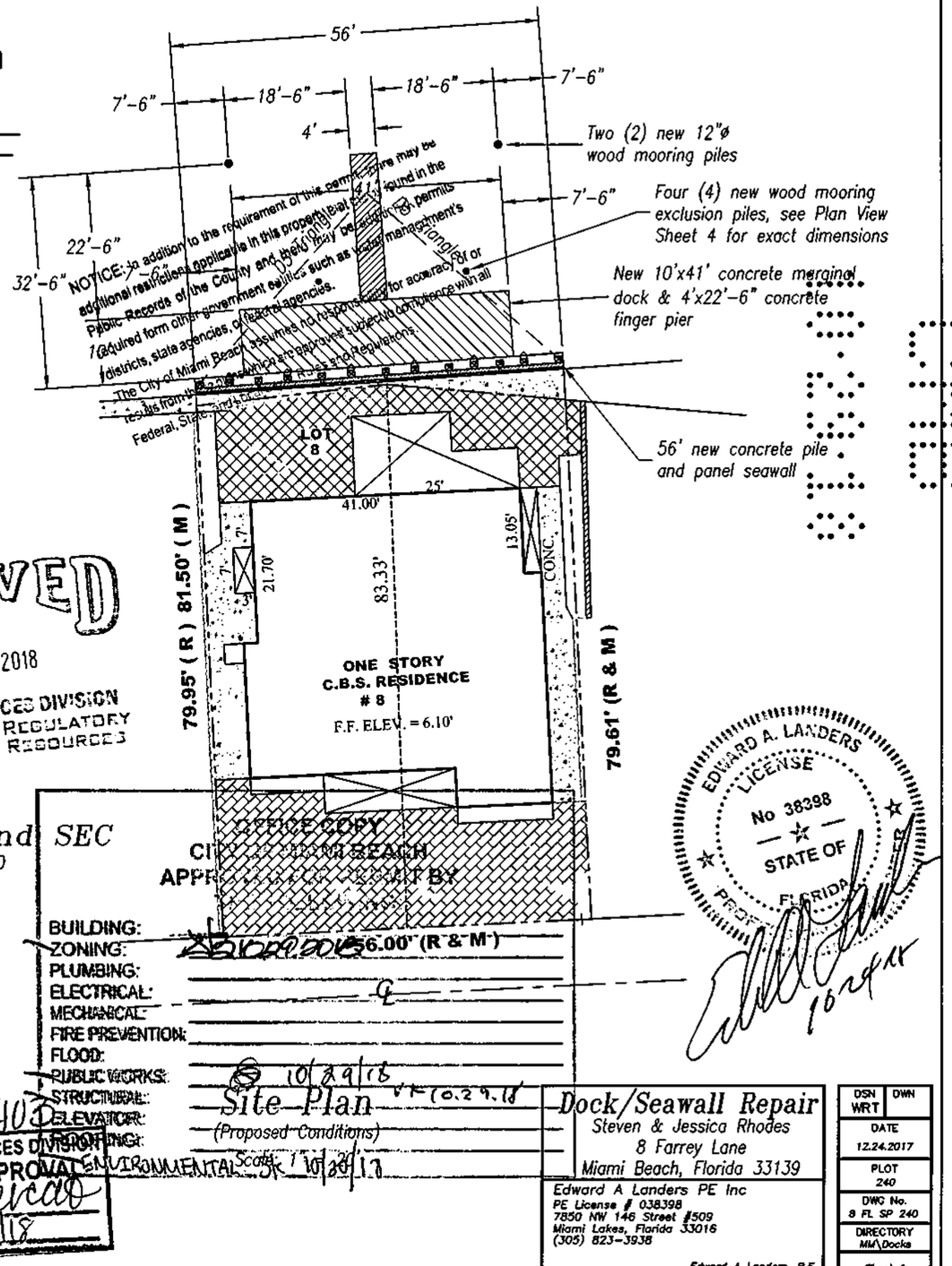


Site Plan
(Existing Conditions)
Scale: 1" = 20'

CITY OF MIAMI BEACH
URBAN FORESTRY DIVISION
APPROVED PLANS
TREE PERMIT #:
BY:

RECEIVED
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



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 form other government entities such as water management's districts, state agencies, or federal agencies.
The City of Miami Beach assumes no responsibility for accuracy or results from non-compliance with all Federal, State and local laws and regulations.

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CITY OF MIAMI BEACH
APPROVED BY

BUILDING:
ZONING: 10/29/18
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
FLOOD:
PUBLIC WORKS: 10/29/18
STRUCTURAL:
ELEVATOR: VF 10.29.18
ROOFING:
ENVIRONMENTAL 10/29/18

CU-2015-0403
RER - NATURAL RESOURCES DIVISION
PRELIMINARY APPROVAL
NAME Meneimercado
DATE 10/29/18

EDWARD A. LANDERS
LICENSE
No 38398
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

10/29/18

Site Plan
(Proposed Conditions)
Scale: 1" = 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 WRT	DWN
DATE	12.24.2017
PLOT	240
DWG No.	8 FL SP 240
DIRECTORY	MM\Docks
Sheet	1

PUBLIC WORKS
PLAN REVIEW NOTICE

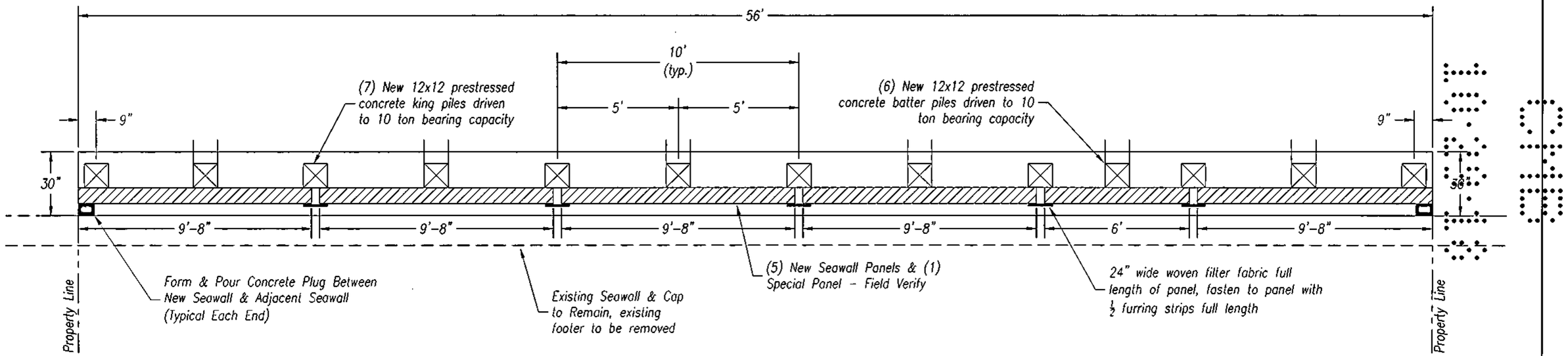
Phone 305-673-7080 Fax 305-673-7028

THIS PLAN REVIEW CONSTITUTES APPROVAL FOR OBTAINING BUILDING PERMITS ONLY.

...ols and equipment are to be retained within ...

...and /or use of equipment in the Right of Way ... will require a separate Public Works ... PERMIT.

...or to ... any excavation in the right of way, you must ... the State One Call of Florida (1-800-432-4770) no ... than 48 hours prior to the excavate; you cannot start the work if the utilities have not been location at the job site.



Lay-Out for Seawall

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

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NATURAL RESOURCES DIVISION
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES

EDWARD A. LANDERS LICENSE No 38398 STATE OF FLORIDA PROFESSIONAL ENGINEER

RER - NATURAL RESOURCES DIVISION
PRELIMINARY APPROVAL
NAME Aurin Mitchell
DATE 10/29/18

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

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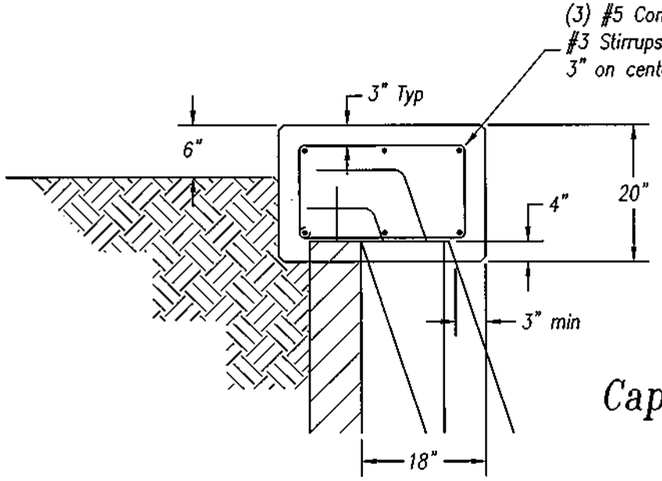
7850 NW 146 Street #509
Miami Lakes, Florida 33016
(305) 823-3938
Edward A Landers, P.E.

DSN WRT	DWN
DATE	12.242017
PLOT	48
DWG No.	8 FL SW 48
DIRECTORY	MM\Seawalls
Sheet 2	



Cap Detail

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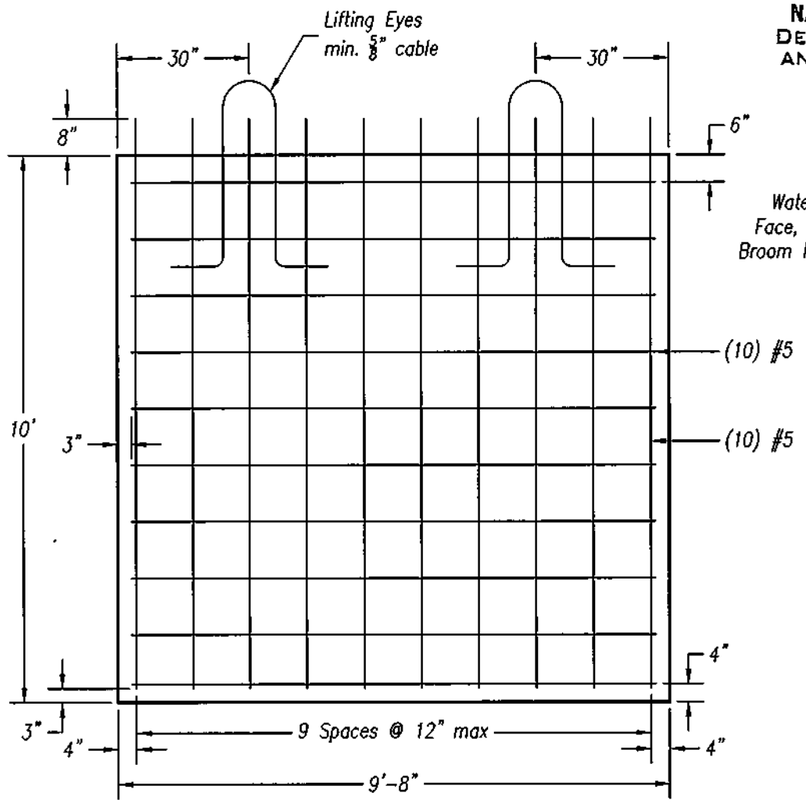
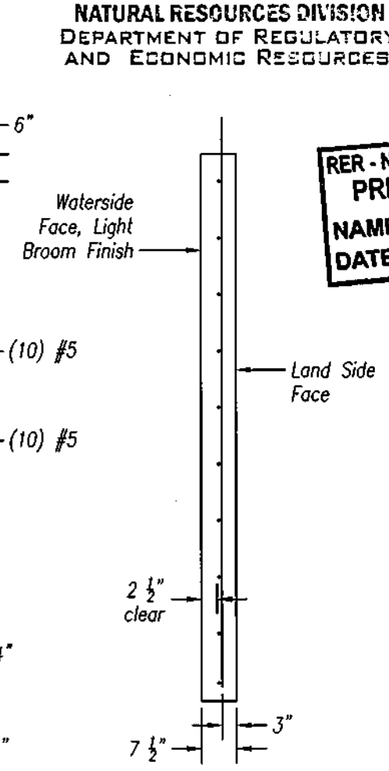
DEPARTMENT OF REGULATORY
AND ECONOMIC RESOURCES



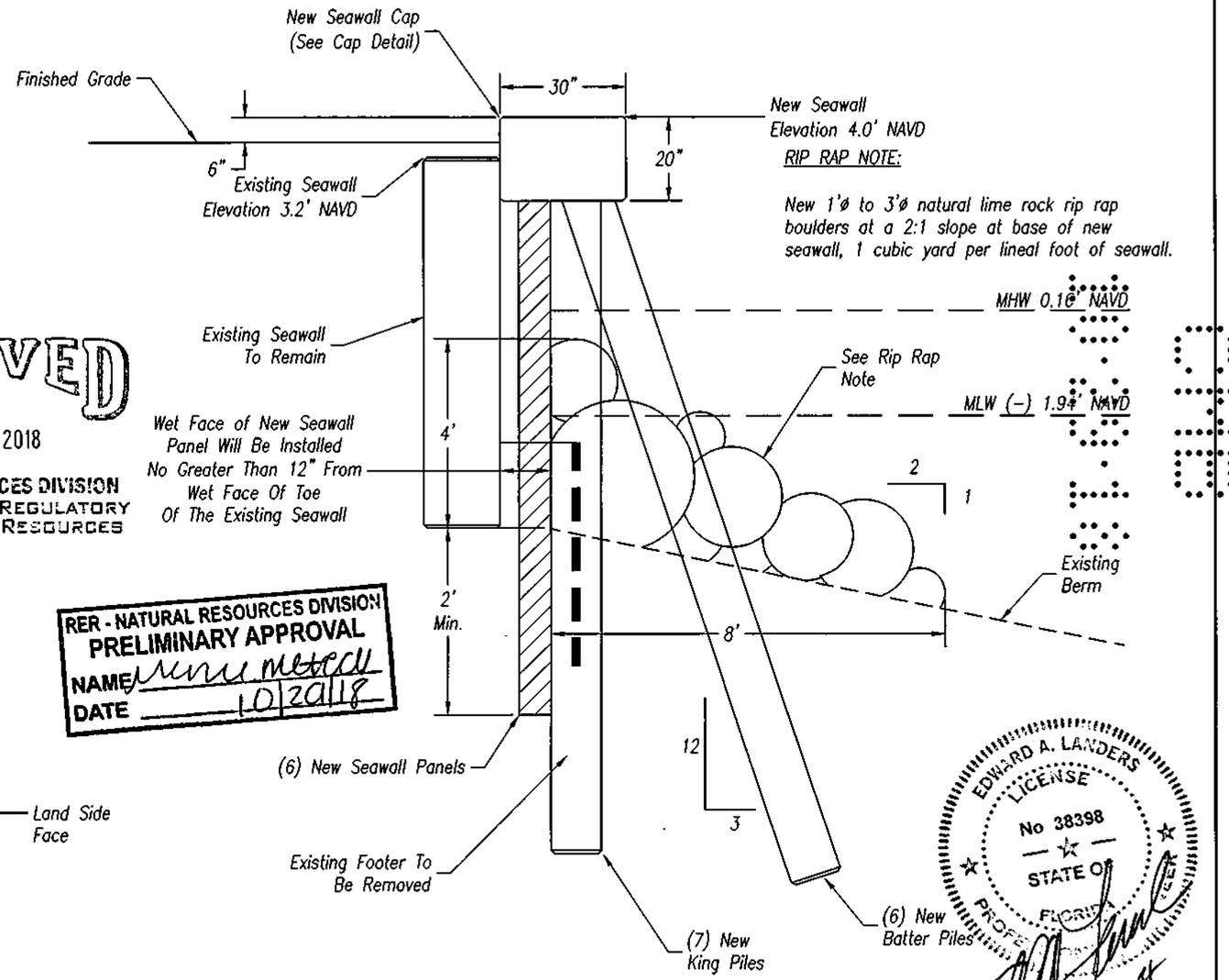
Panel Detail

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



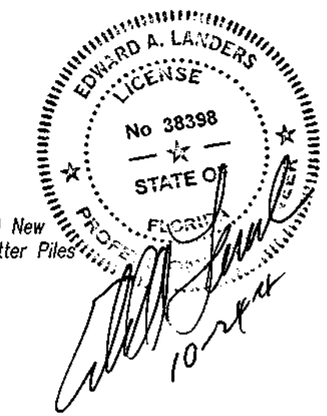
Typ. Section

RER - NATURAL RESOURCES DIVISION
PRELIMINARY APPROVAL
NAME Anne Meneou
DATE 10/29/18



Seawall Section

Scale: 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

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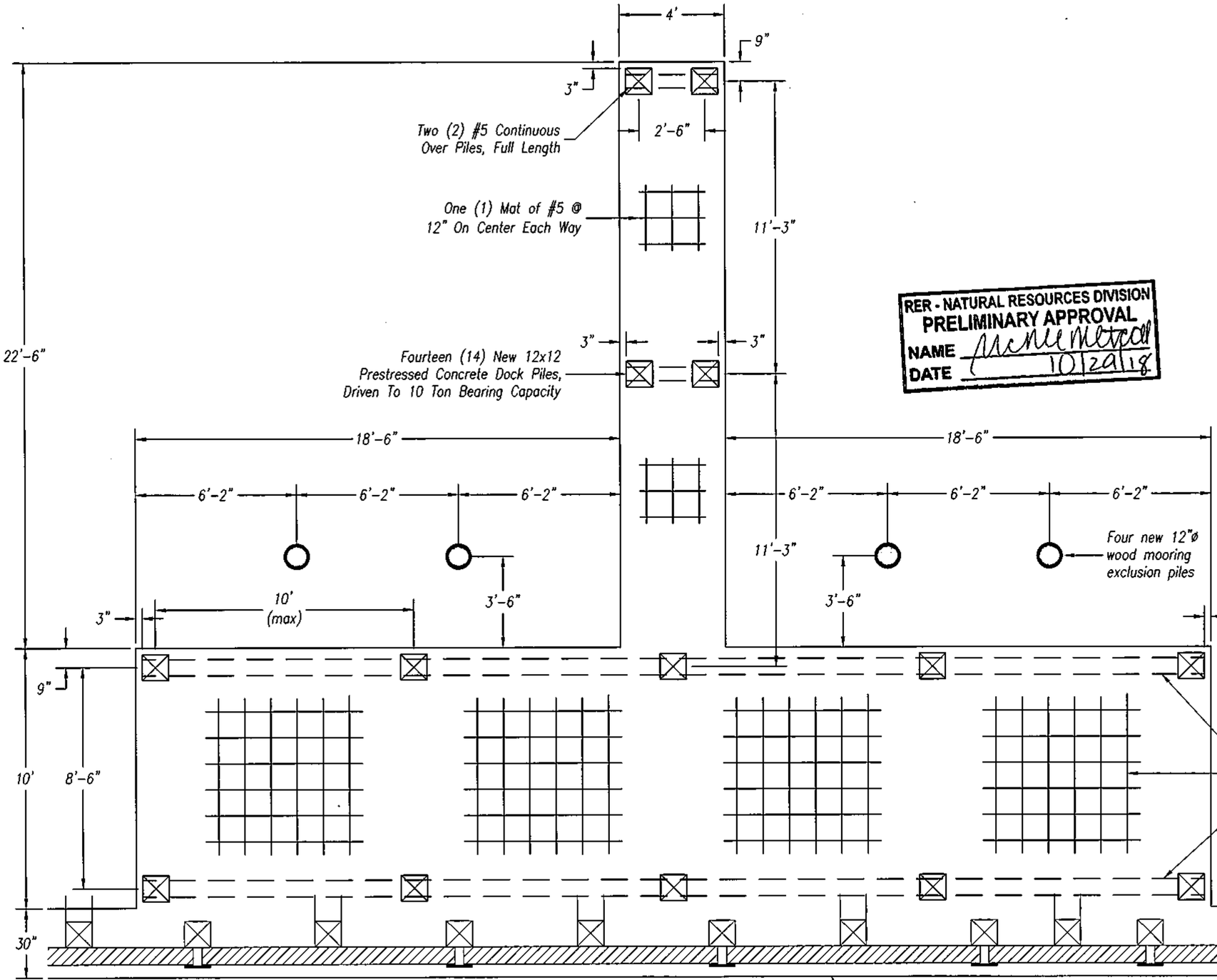
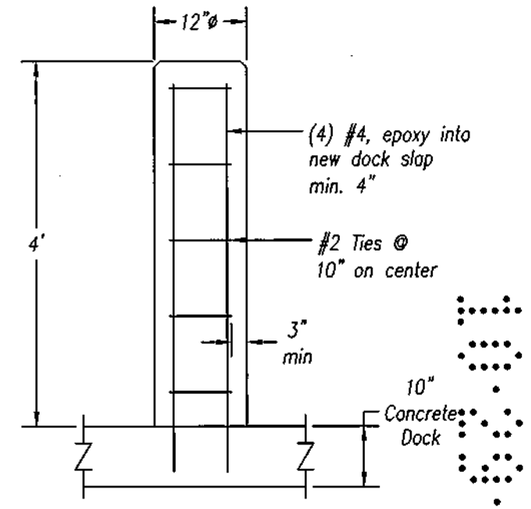
PE License # 038398
7850 NW 146 Street #509
Miami Lakes, Florida 33016
(305) 823-3938
Edward A Landers, P.E.

DSN WRT	DWN
DATE	12.24.2017
PLOT	J2
DWG No.	9 FL New Seawall
DIRECTORY	MM\Seawalls
Sheet	3



Plan View

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



Pedestal Detail

RER - NATURAL RESOURCES DIVISION
PRELIMINARY APPROVAL
NAME Arnie Metcalf
DATE 10/29/18

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NATURAL RESOURCES DIVISION
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES

EDWARD A. LANDERS LICENSE No 38398 STATE OF FLORIDA PROFESSIONAL ENGINEER

Dock/Seawall Repair
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Miami Beach, Florida 33139

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Miami Lakes, Florida 33016
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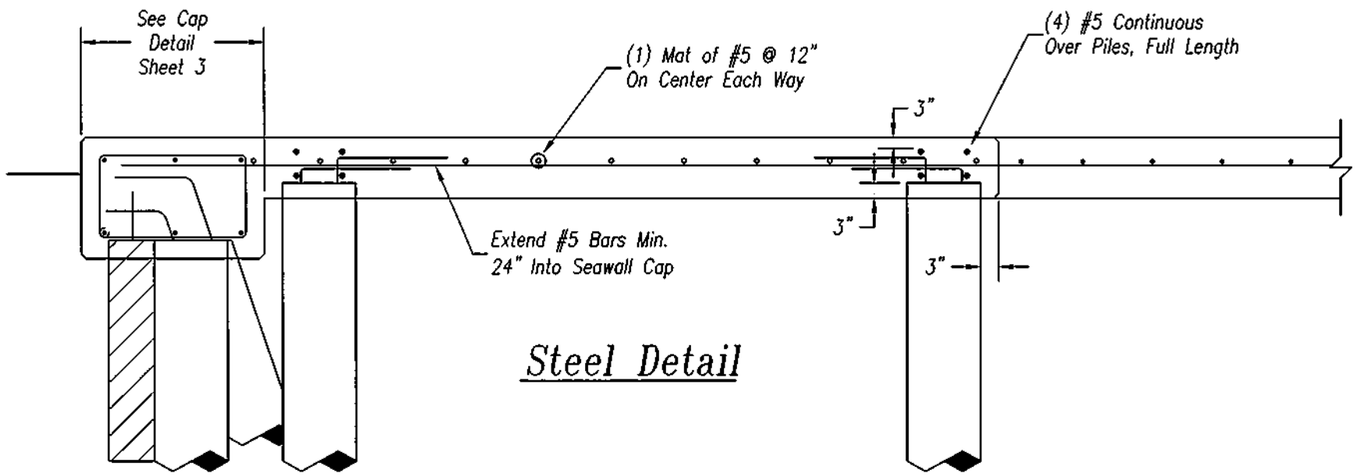
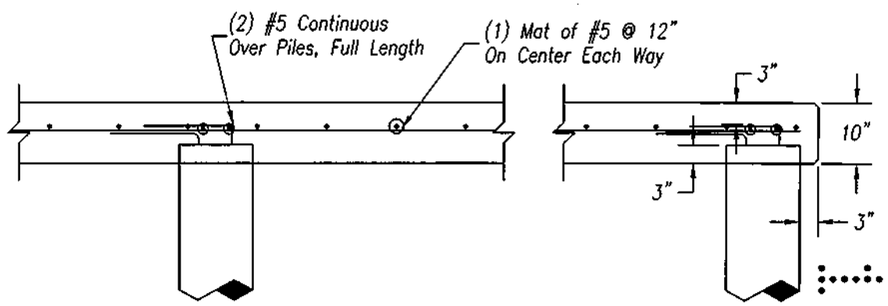
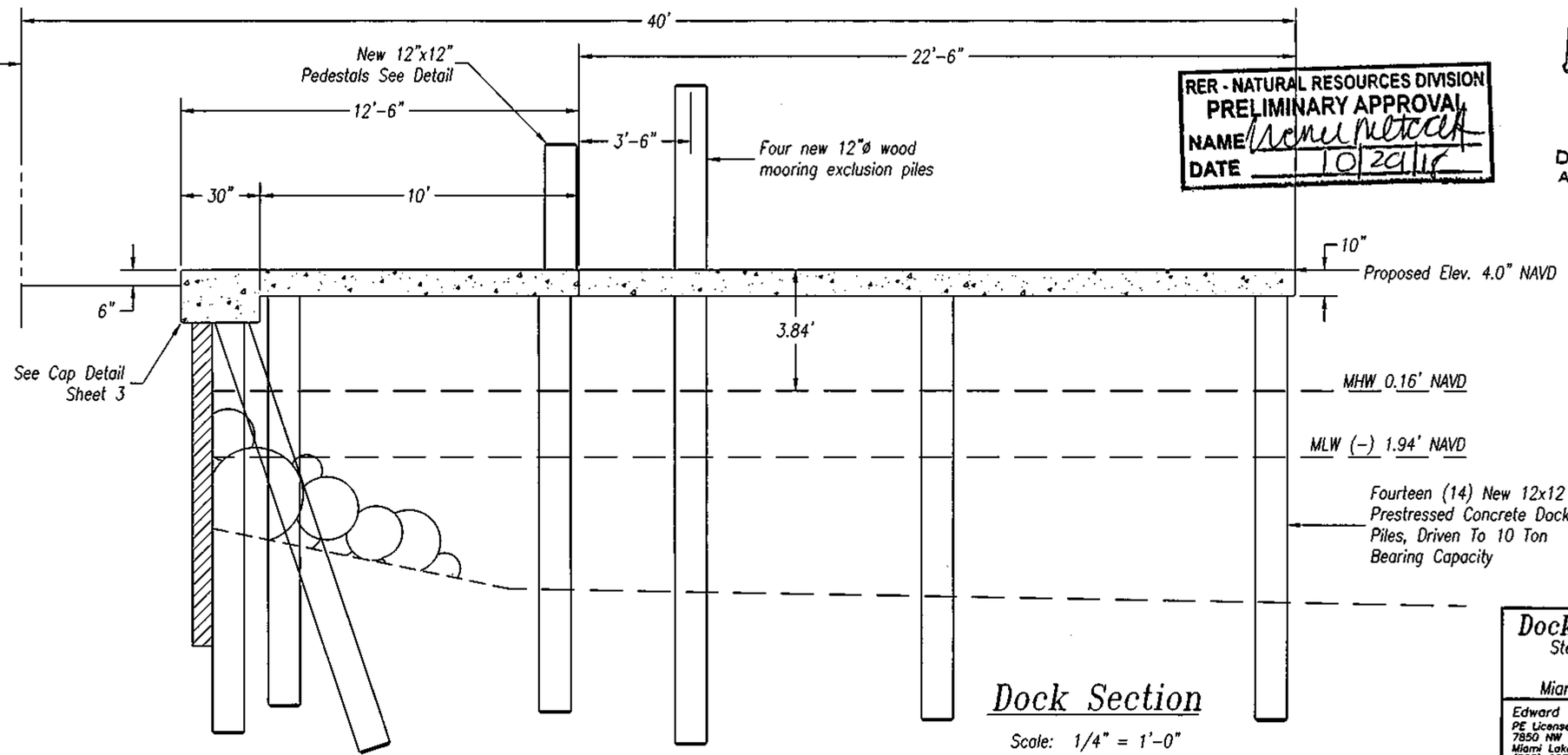
Edward A Landers, P.E.

DSN WRT	DWN
DATE 12.242017	
PLOT 48	
DWG No. 8 FL SW 48	
DIRECTORY MM\Seawalls	
Sheet 4	



Steel Detail





Dock Section

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

RER - NATURAL RESOURCES DIVISION
PRELIMINARY APPROVAL
NAME Irene Metcalf
DATE 10/29/18

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DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES

EDWARD A. LANDERS LICENSE No 38398 STATE OF FLORIDA PROFESSIONAL ENGINEER
10/24/18

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Miami Lakes, Florida 33016
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Edward A Landers, P.E.

DSN WRT	DWN
DATE 12.242017	
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 expoxy-concrete mix or gunnite concrete with sulfate-resistant cement.

PILE NOTE:

1. Wood piles to be 2.5 lb. CCA treated in accordance with AWPA 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 - $\frac{7}{16}$"ø 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.

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DEPARTMENT OF REGULATORY
AND ECONOMIC RESOURCES

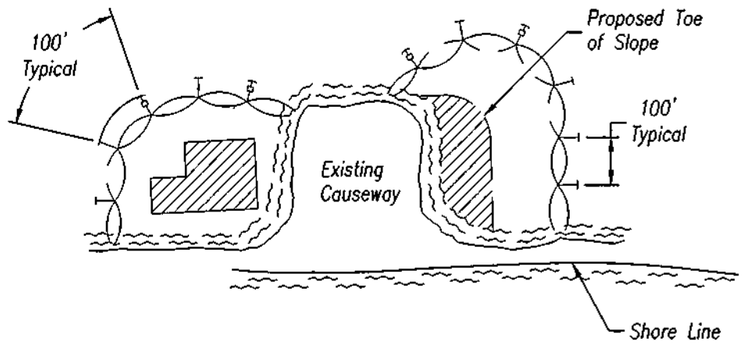
EDWARD A. LANDERS
LICENSE
No 38398
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
10-24-18

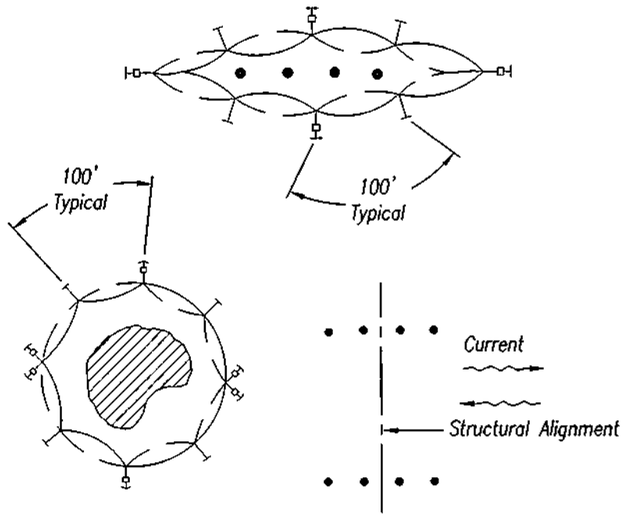
RER - NATURAL RESOURCES DIVISION
PRELIMINARY APPROVAL
NAME Michael Mitchell
DATE 10/29/18

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
Edward A Landers, P.E.

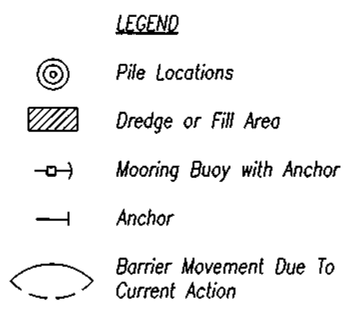
DSN	DWN
WRT	
DATE	12.242017
PLOT	48
DWG No.	8 FL SW 48
DIRECTORY	MM\Seawalls
Sheet 6	

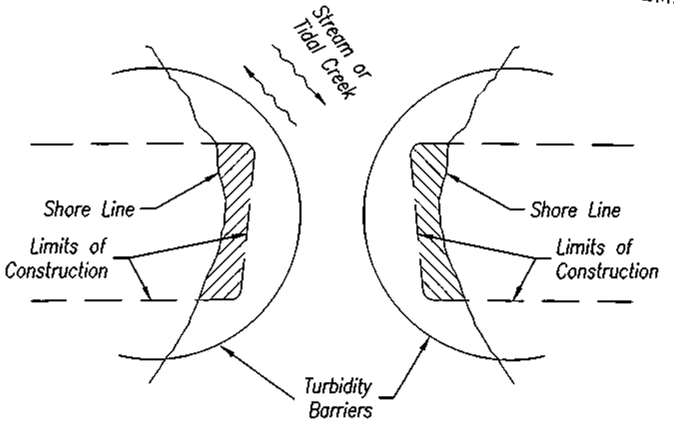




NOTES:

1. Turbidity barriers are to be used iin 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 Contractors 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.

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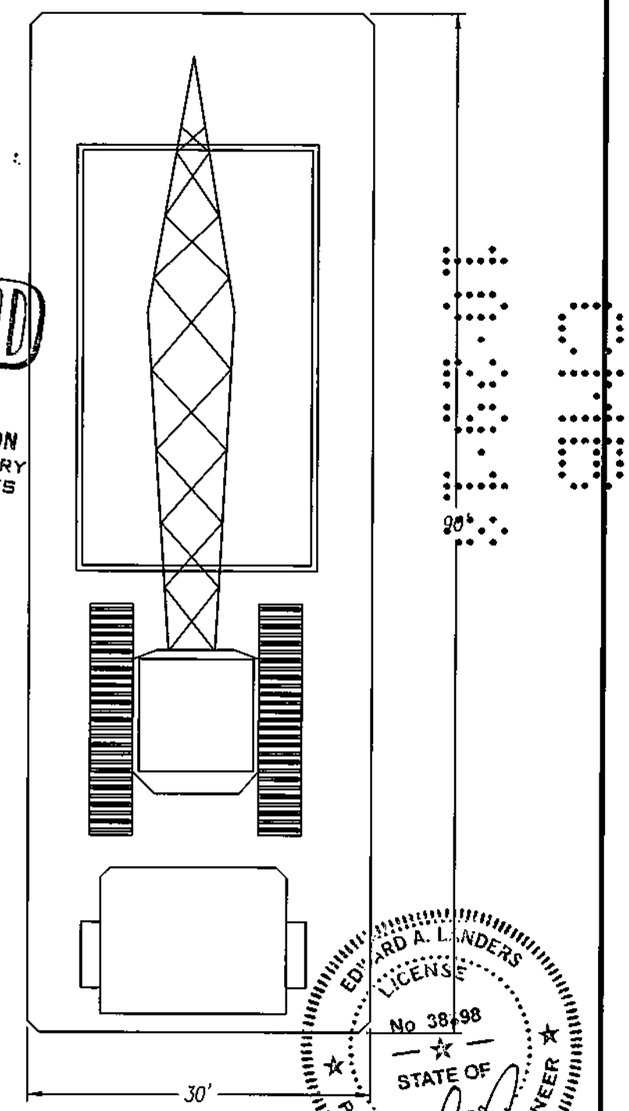
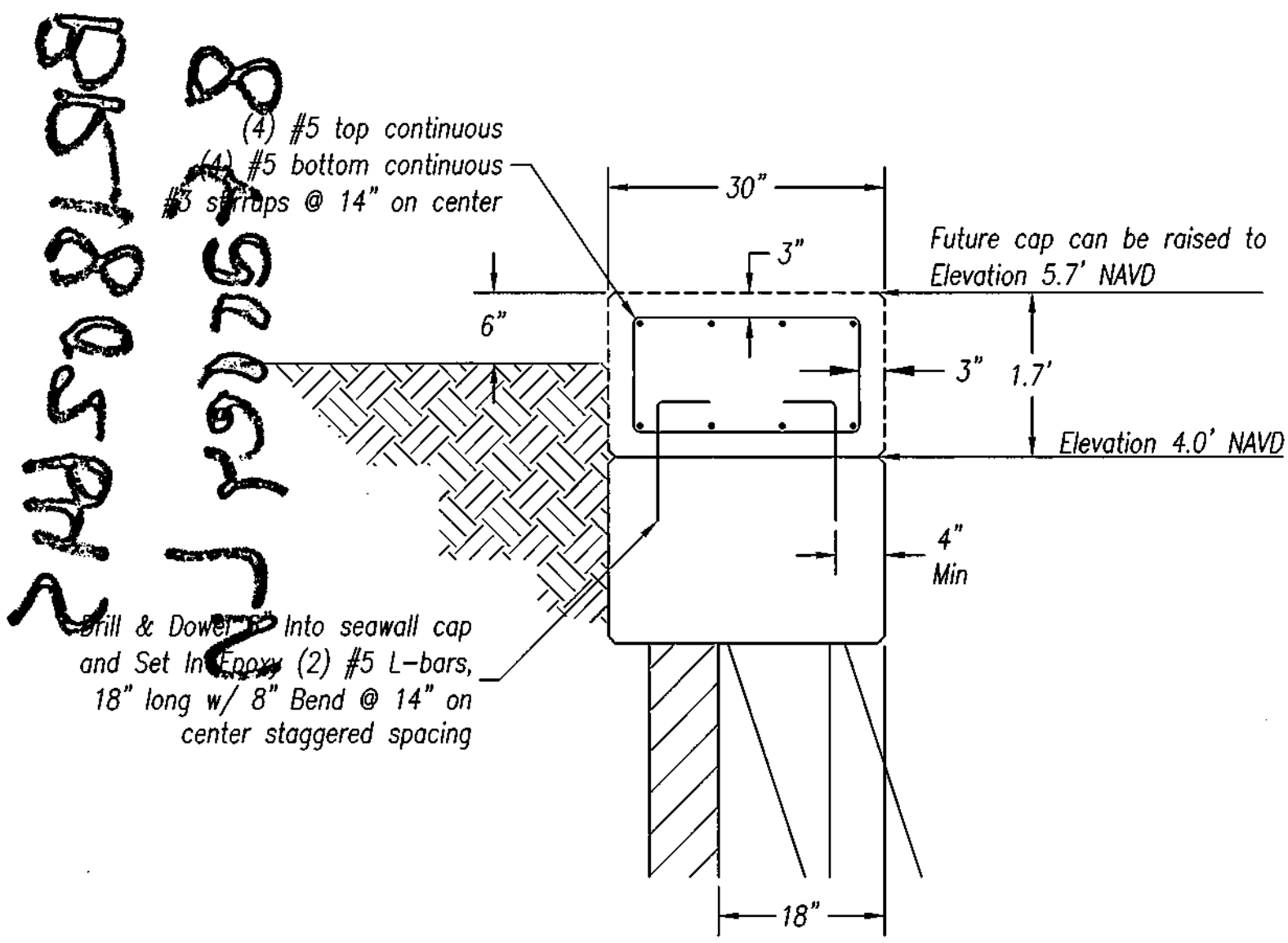


EDWARD A. LANDERS
LICENSE
No 38498
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
10-24-18

RER - NATURAL RESOURCES DIVISION
PRELIMINARY APPROVAL
NAME
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

EDWARD A. LANDERS
LICENSE
No 38398
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

10-24-18

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.	8 FL New Seawall
DIRECTORY	MM\Seawalls
Sheet 3	

BR1802645
8 Farrer Ln

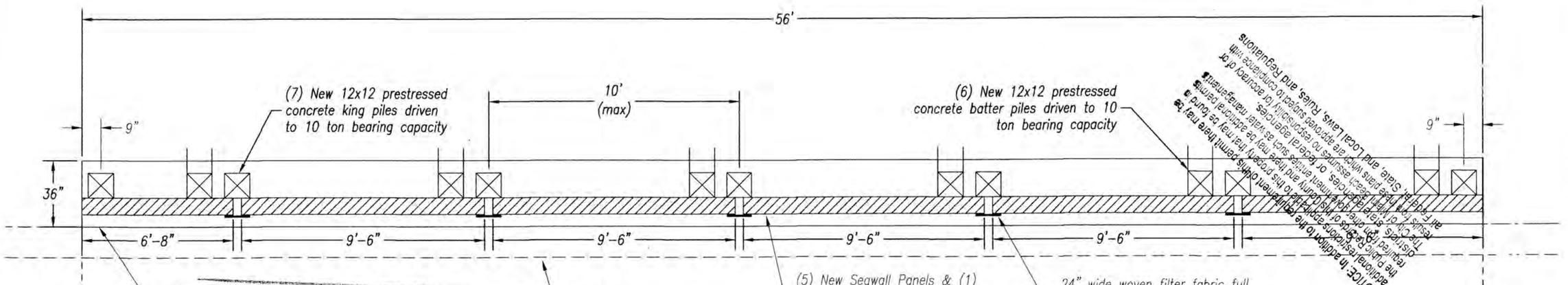
2018 08 21

RV1911812

1	12.26.2019	Changes per contractor

REVISIONS

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



Lay-Out for Seawall

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

PUBLIC WORKS
PLAN REVIEW NOTICE

Phone 305-673-7080 Fax 305-673-7028

THIS PLAN REVIEW CONSTITUTES APPROVAL FOR OBTAINING BUILDING PERMIT ONLY.

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

All construction shall be in accordance with the Public Works Manual and all applicable codes.

Prior to the issuance of the Certificate of Occupancy, the contractor shall submit a signed and sealed as-built survey to the Public Works Department for review and approval.

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BUILDING
ZONING
PLUMBING
ELECTRIC
MECHANICAL
FIRE PREVE
FLOOD:
PUBLIC WORK
STRUCTURAL:
ELEVATOR:
ROOFING:
12-30-2019
12-30-19
12/30/19
VF 12.30.19

NOTICE: In addition to the requirements of this permit, there may be additional restrictions applicable to this property that may be found in the public records of this County, and there may be additional permits required from other governmental entities such as water management districts, State, and Federal agencies. Issuance of this permit does not assume responsibility for acquiescence or approval of any violations of any Federal, State, and Local Laws, Rules and Regulations

CITY OF MIAMI BEACH
URBAN FORESTRY DIVISION
APPROVED PLANS
TREE PERMIT #:
BY: 1/7/20

EDWARD A. LANDERS
LICENSE
No 38398
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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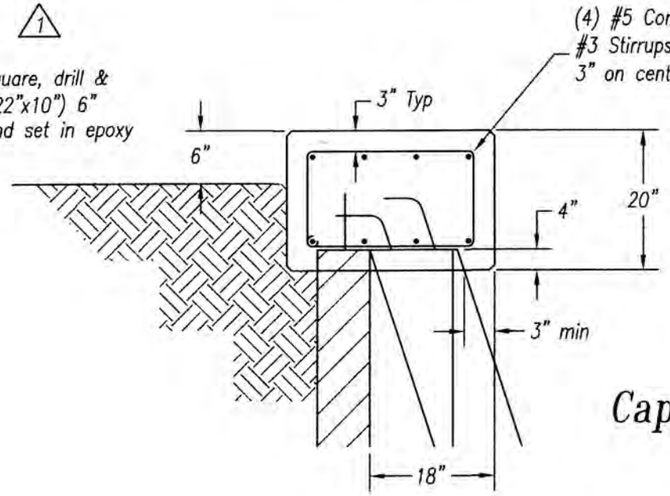
(305) 823-3938
Edward A Landers, P.E.

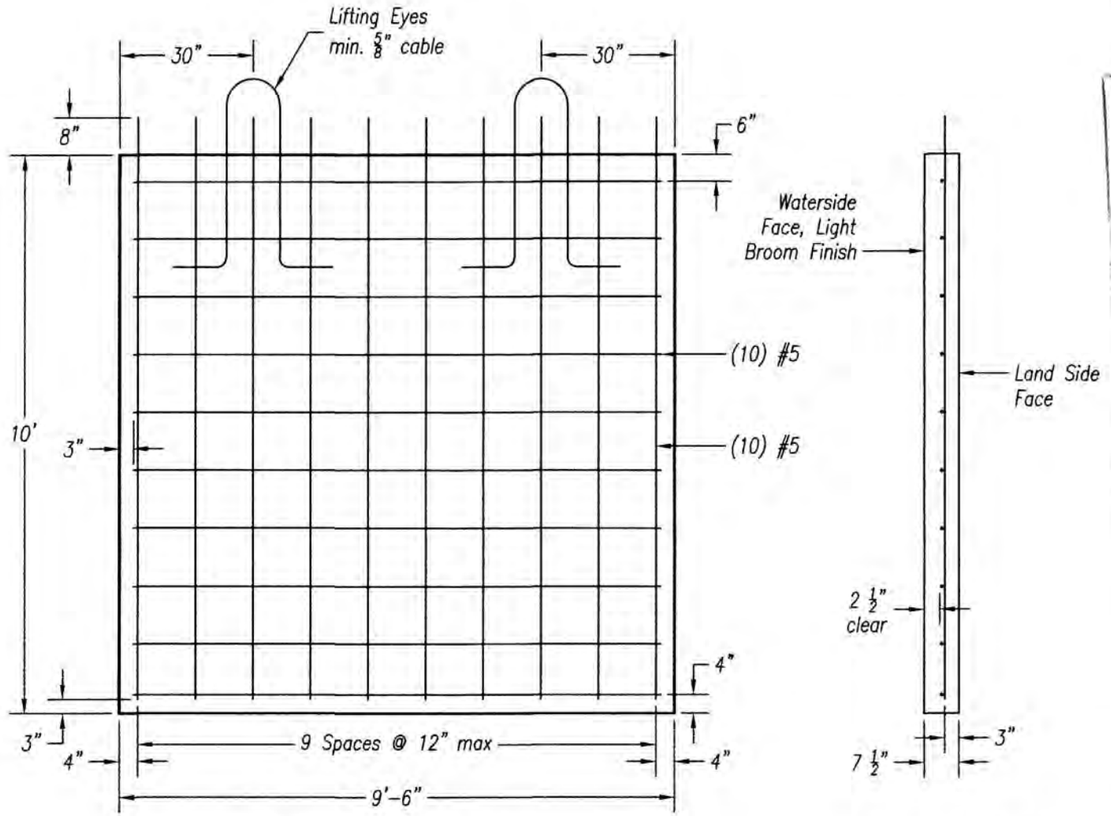
DSN WRT	DWN
DATE 12.242017	
PLOT 48	
DWG No. 8 FL SW 48	
DIRECTORY MM\Seawalls	
Sheet 2	

PILE NOTE: 1

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



Cap Detail



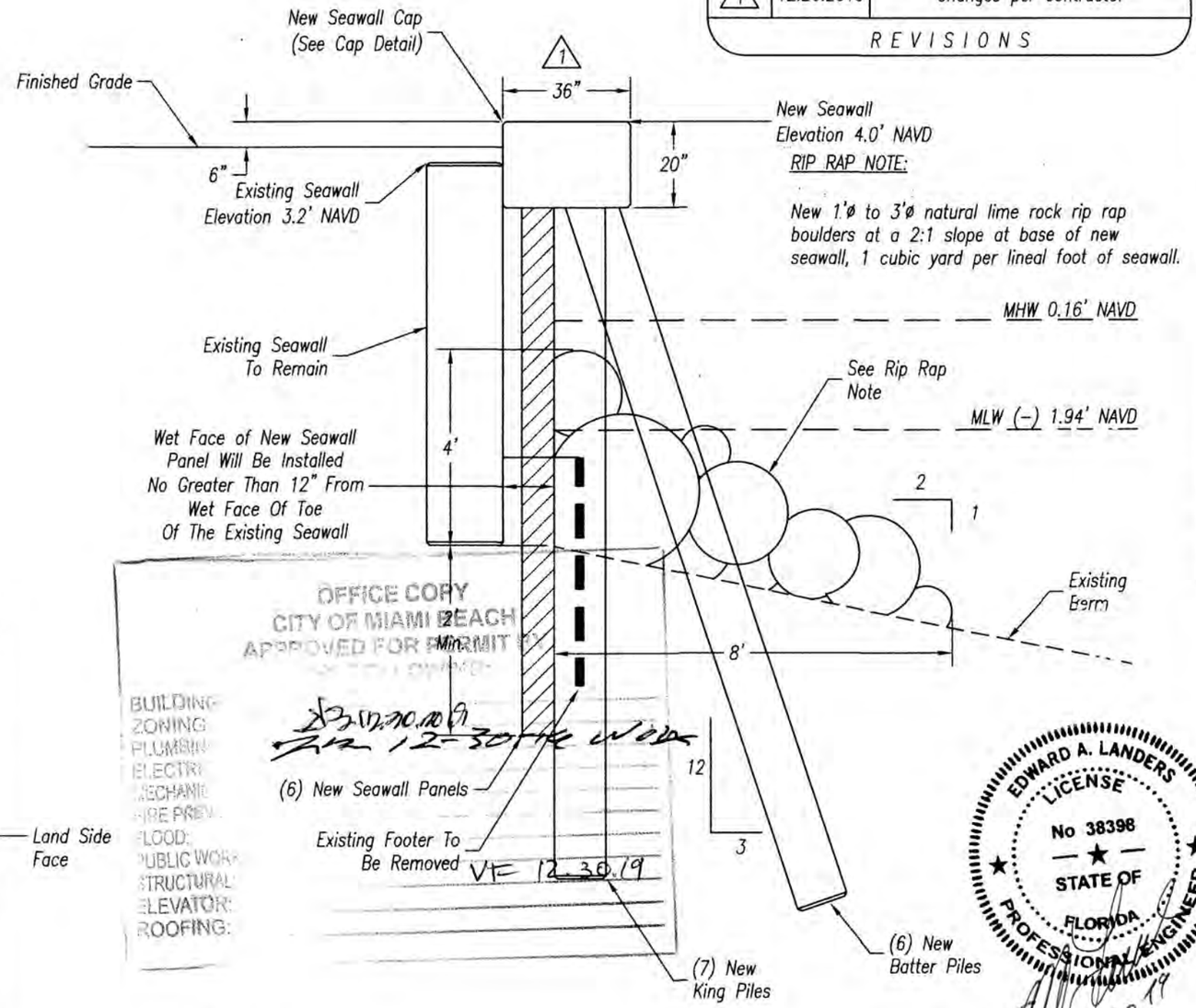
Panel Detail

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

Typ. Section

1	12.26.2019	Changes per contractor

REVISIONS



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ELECTRICAL
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FIRE PREV.
FLOOD:
PUBLIC WORKS
STRUCTURAL
ELEVATOR:
ROOFING:
12.30.2019
12-30 ok w/ note
VF 12.30.19

EDWARD A. LANDERS
LICENSE
No 38398
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
12-30-19

Seawall Section

Scale: 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:

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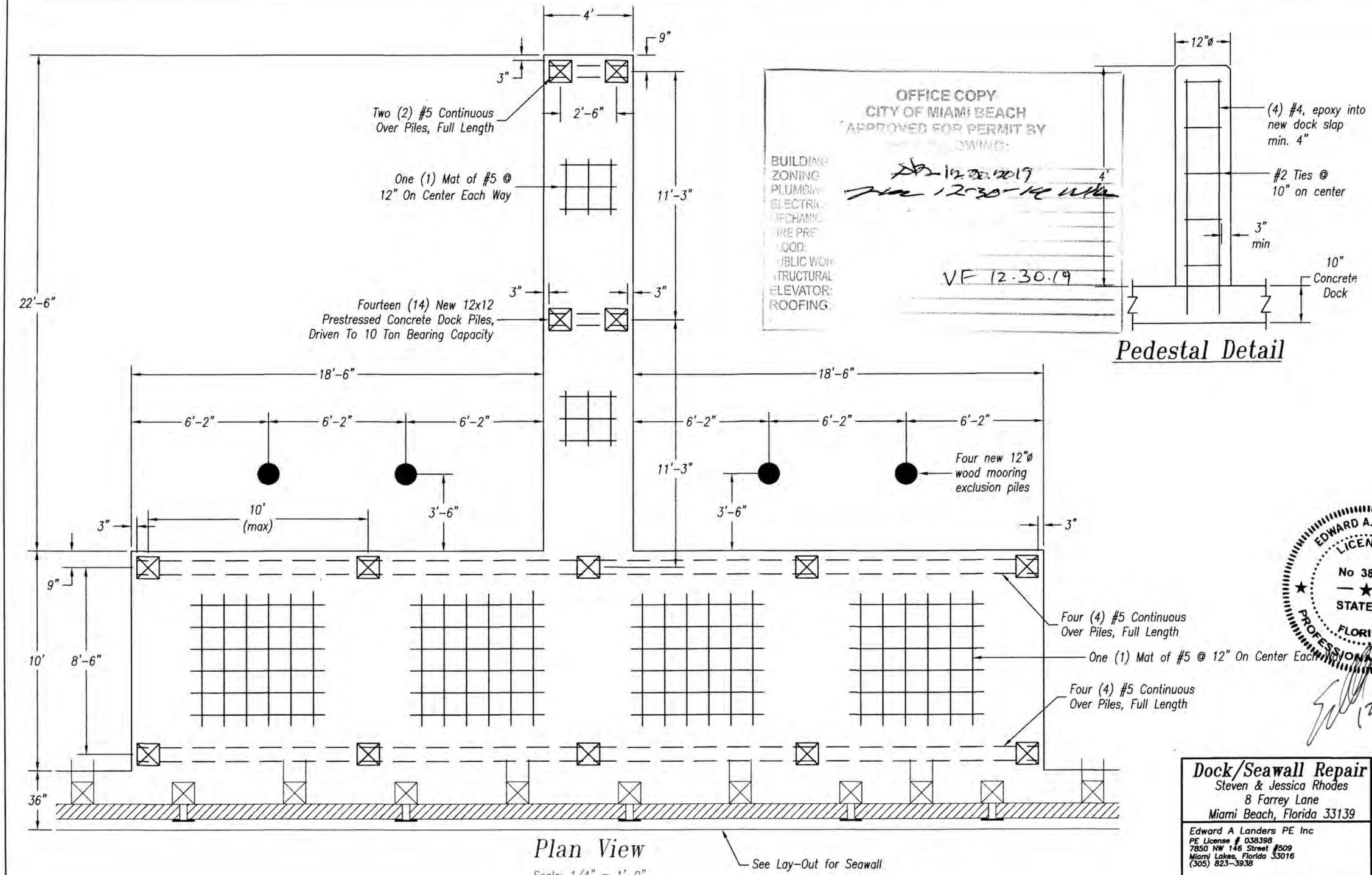
Edward A Landers, P.E.

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



Plan View

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

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DRAWING:

BUILDING
ZONING
PLUMBING
ELECTRICAL
MECHANICAL
FIRE PREV.
WOOD
PUBLIC WORKS
STRUCTURAL
ELEVATOR
ROOFING

12.20.2019
12-30-19
VF 12.30.19

Pedestal Detail

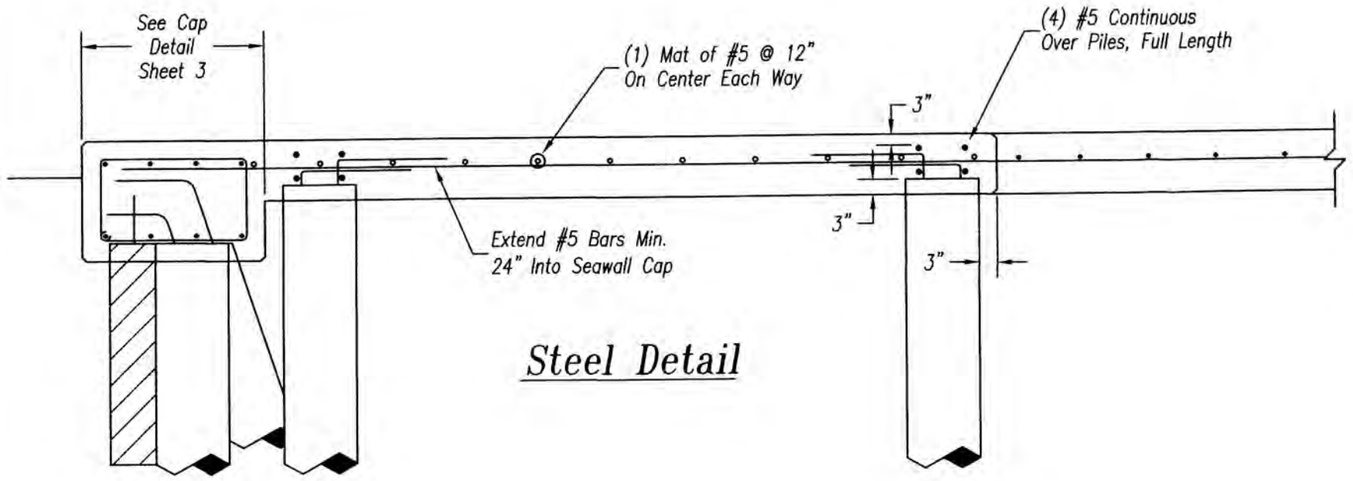
EDWARD A. LANDERS
LICENSE
No 38398
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

12/24/19

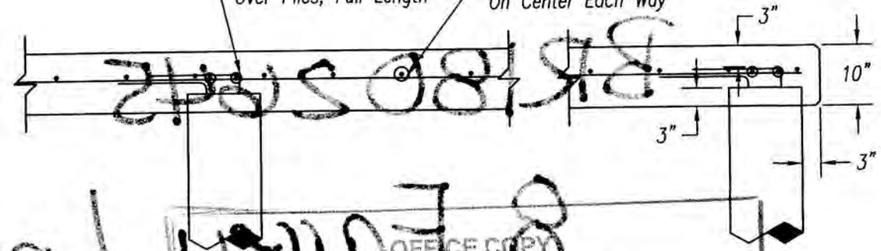
Dock/Seawall Repair
Steven & Jessica Rhodes
8 Farrey Lane
Miami Beach, Florida 33139

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.

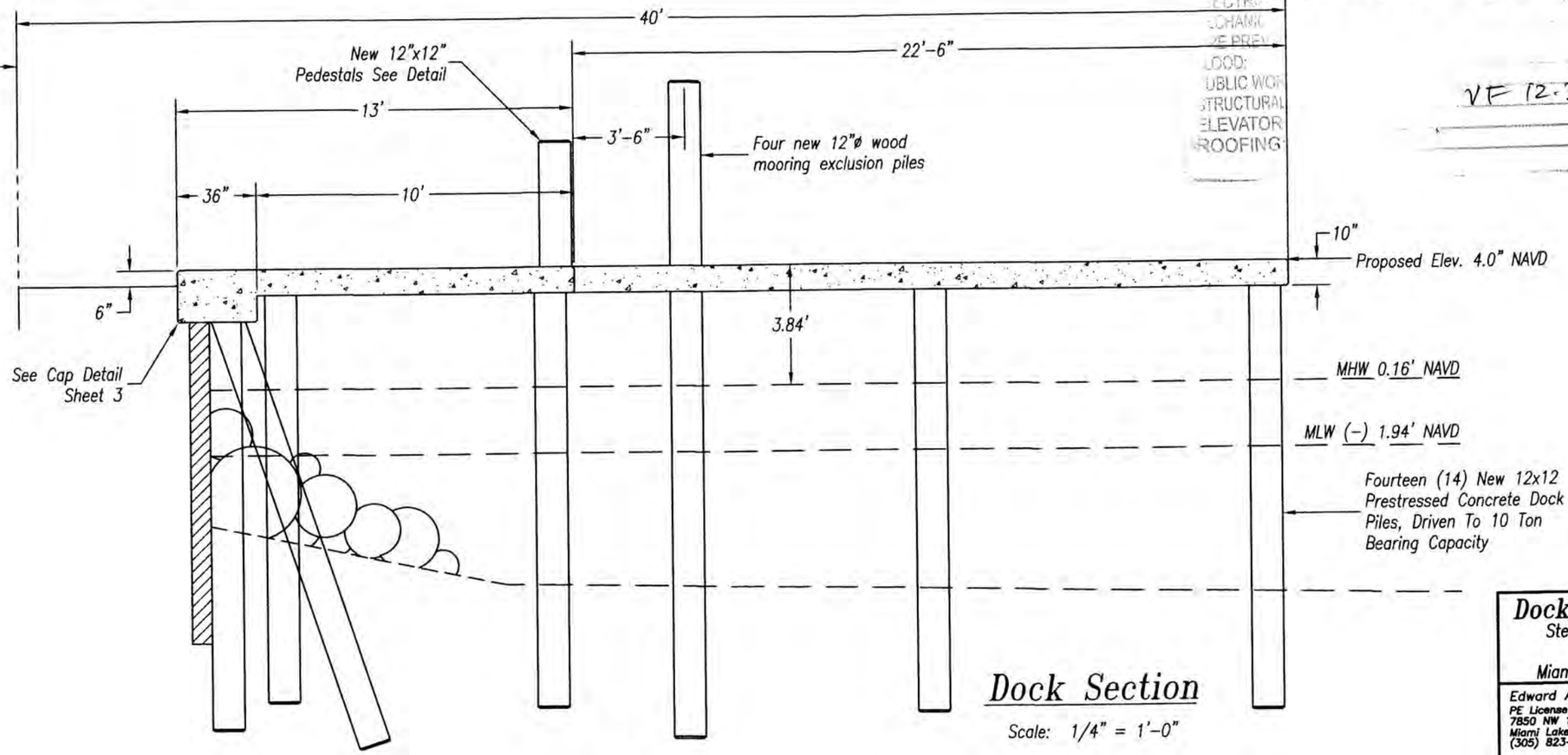
DSN	DWN
WRT	
DATE	12.242017
PLOT	48
DWG No.	8 FL SW 48
DIRECTORY	MM\Seawalls
Sheet	4



Steel Detail



OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
BUILDING
ZONING
PLUMBING
ELECTRICAL
MECHANICAL
FIRE PREVENTION
FLOOD
PUBLIC WORKS
STRUCTURAL
ELEVATOR
ROOFING
12/30/2019
12-30-19 AWR
VF 12.30.19



Dock Section

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

EDWARD A. LANDERS LICENSE No 38398 STATE OF FLORIDA PROFESSIONAL ENGINEER

12-30

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Steven & Jessica Rhodes
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DSN	DWN
WRT	
DATE	12.242017
PLOT	48
DWG No.	8 FL SW 48
DIRECTORY	MM\Seawalls
	Sheet 5

RV19118 12

BR18026 45

8 Farrey Ln

General Sediment and Erosion Control Notes

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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.

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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.
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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.

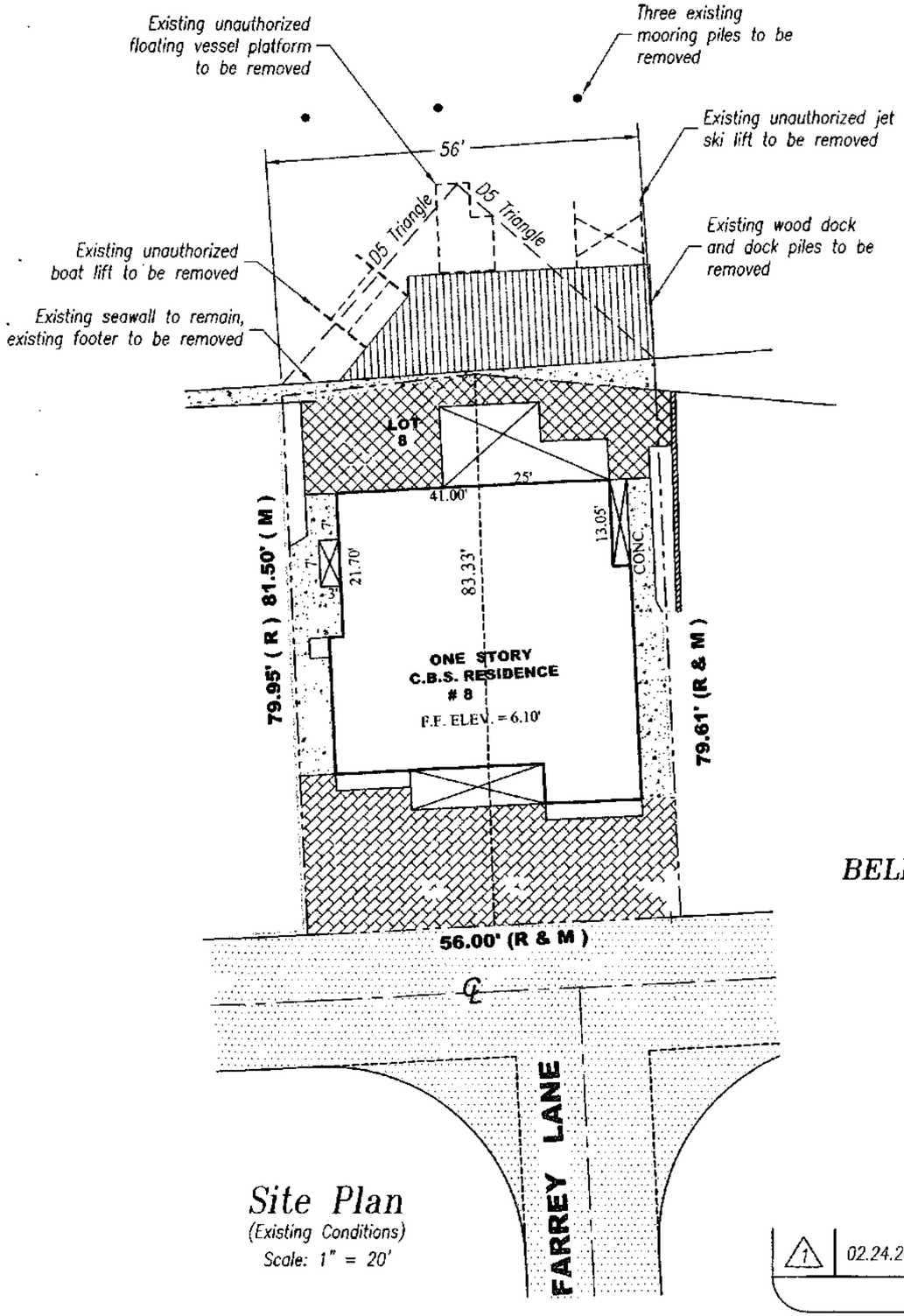
EROSION AND SEDIMENT CONTROL GENERAL NOTES
N.T.S.

MIAMIBEACH
PUBLIC WORKS DEPARTMENT
1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL 33139

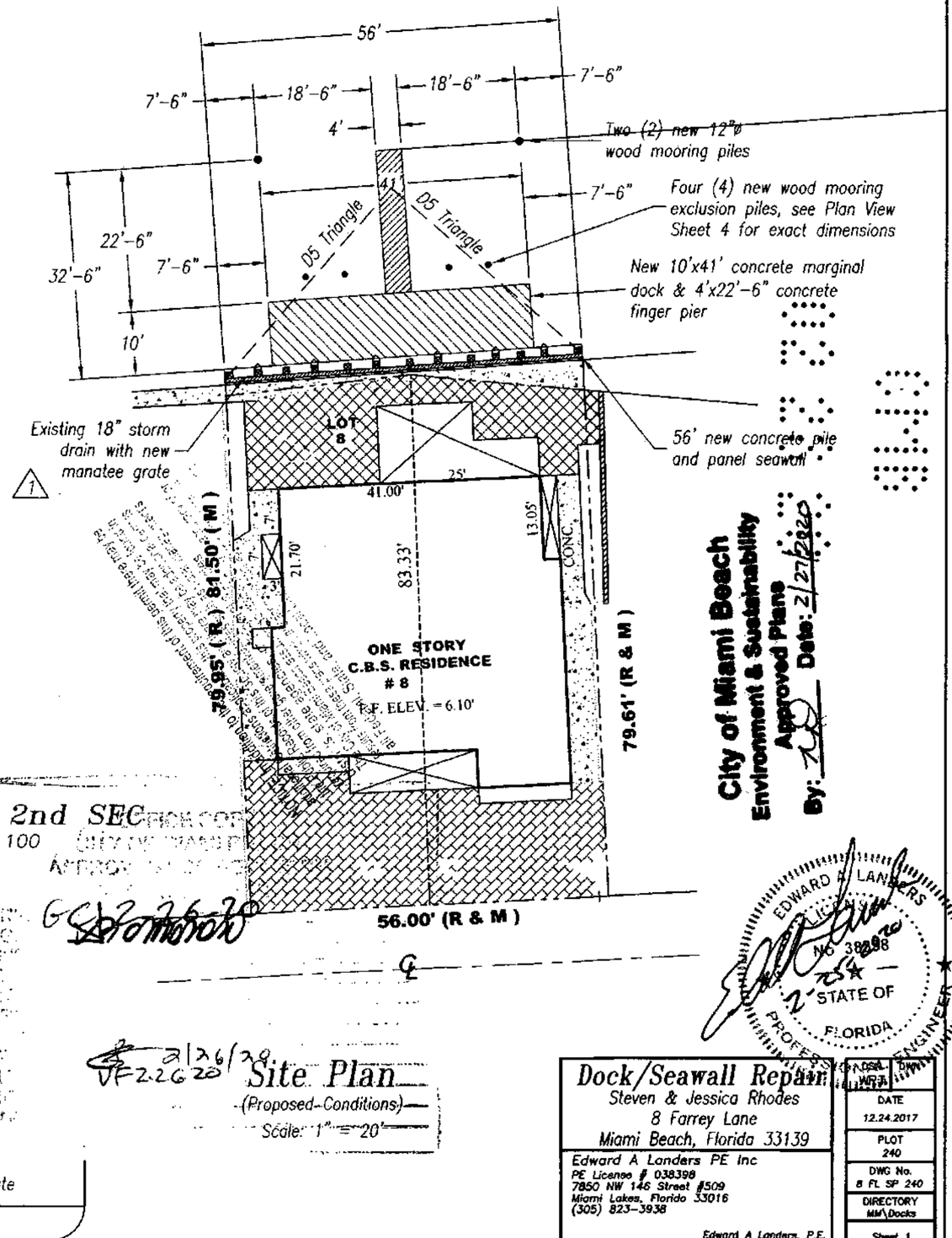
APPROVED	REVISED	TITLE:	
05/01/2010	12/18/2011 11/15/2012 07/11/2017 10/31/2019	SITE EARTHWORK DETAILS NO.2 EROSION AND SEDIMENT CONTROL GENERAL NOTES	SES14

F:\WORK\$\ALL\CAD-DWG\STANDARDS\CMB_STANDARD_DETAILS\Public_Works_Manual\Part_III_Standard_Details\Section_15_Site_and_Roadway_Construction\A_Site\Earthwork_Details.dwg

RV2012205



Site Plan
(Existing Conditions)
Scale: 1" = 20'



Lot 8
BELLE ISLE VILLAS 2nd SEC
Plat Book 42 Page 100
Dade County
Florida

VF 2.26.20

Site Plan
(Proposed Conditions)
Scale: 1" = 20'

1	02.24.2020	Added Manatee Grate

REVISIONS

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

EDWARD A. LANDERS
LICENSED
No. 38398
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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Steven & Jessica Rhodes
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Miami Lakes, Florida 33016
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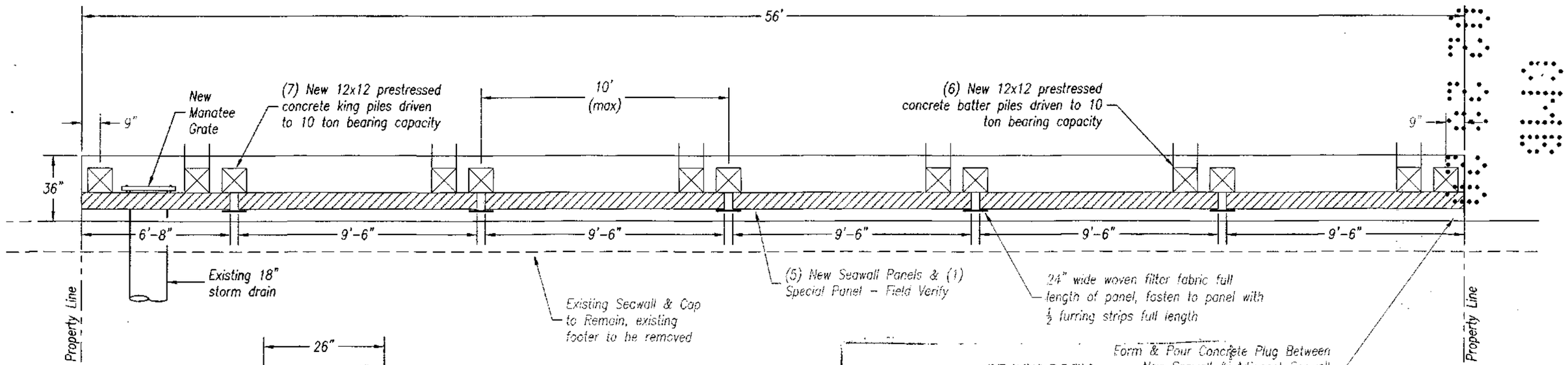
Edward A Landers, P.E.

DES.	DWN.
DATE	12.24.2017
PLOT	240
DWG No.	8 FL SP 240
DIRECTORY	MM\Docks
Sheet	1

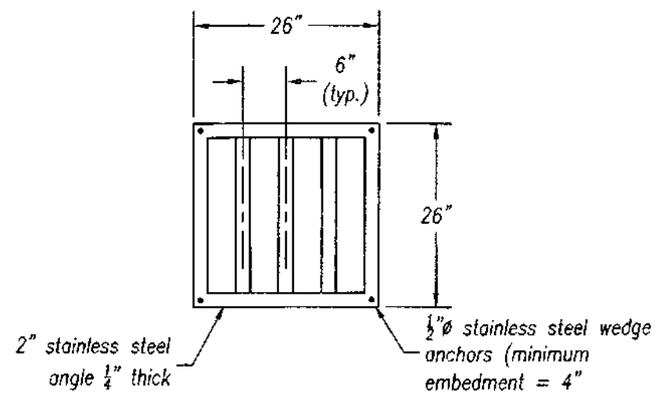
3	02.24.2020	Added Manatee Grate
2	02.16.2020	Changes per contractor
1	12.26.2019	Changes per contractor

REVISIONS



Lay-Out for Seawall

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



Manatee Grate

VF 22620

EDWARD A LANDERS LICENSE No 38398 STATE OF FLORIDA PROFESSIONAL ENGINEER

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Miami Lakes, Florida 33016
(305) 823-3938
Edward A Landers, P.E.

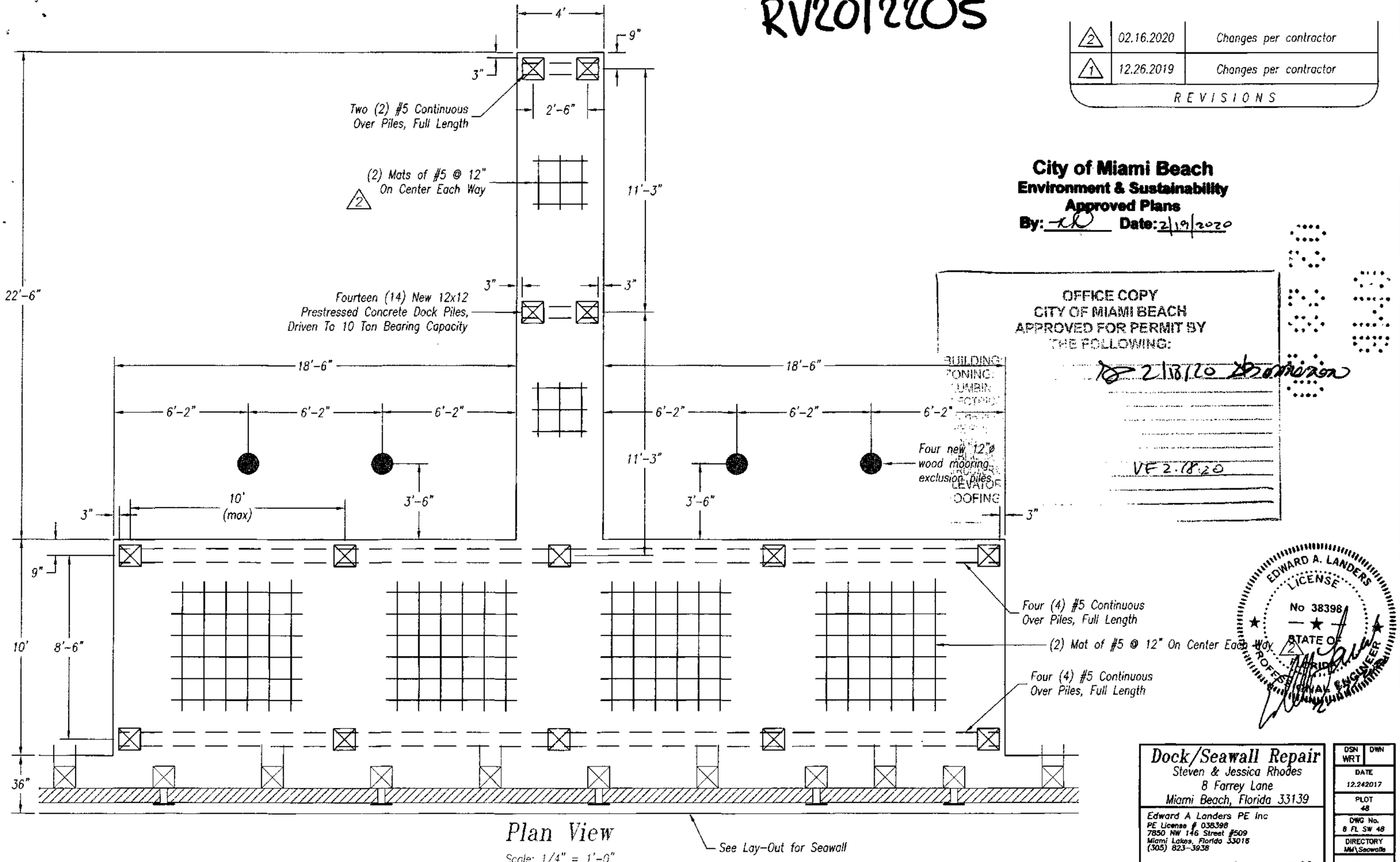
DESIGNED | DRAWN
DATE 12.242017
PLOT 48
DWG No. 8 FL SW 48
DIRECTORY MM\Seawalls
Sheet 2

RV2012205

2	02.16.2020	Changes per contractor
1	12.26.2019	Changes per contractor
REVISIONS		

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

OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:
2/18/20 Contractor
BUILDING
ZONING
PLUMBING
STRUCTURAL
MECHANICAL
ELEVATOR
ROOFING
VE 2.18.20



Plan View

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

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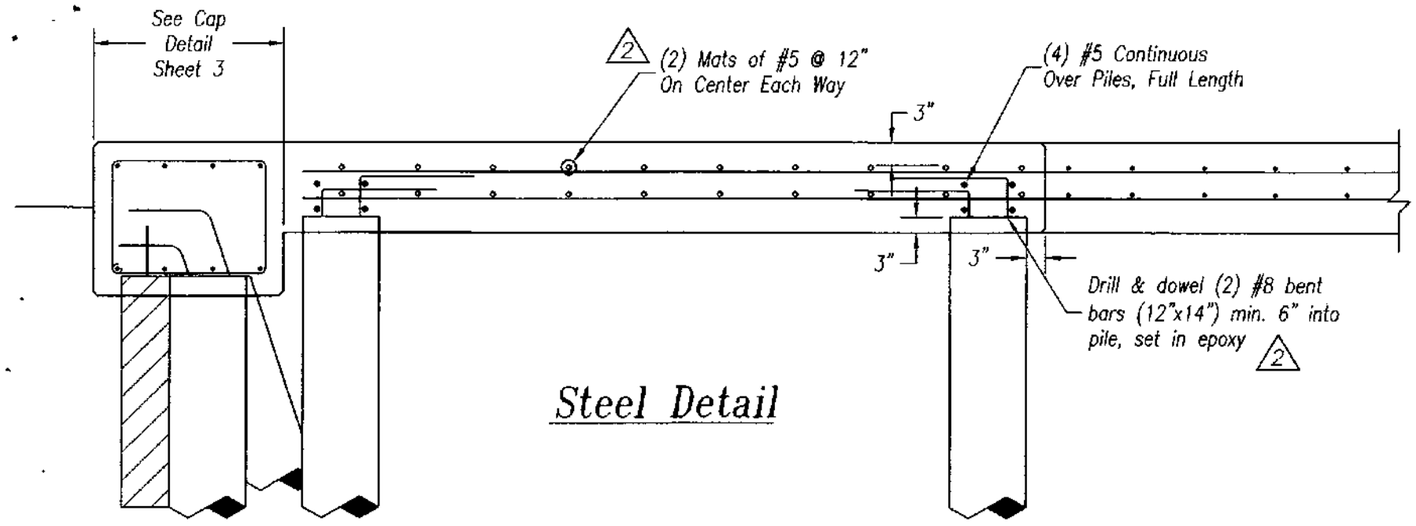
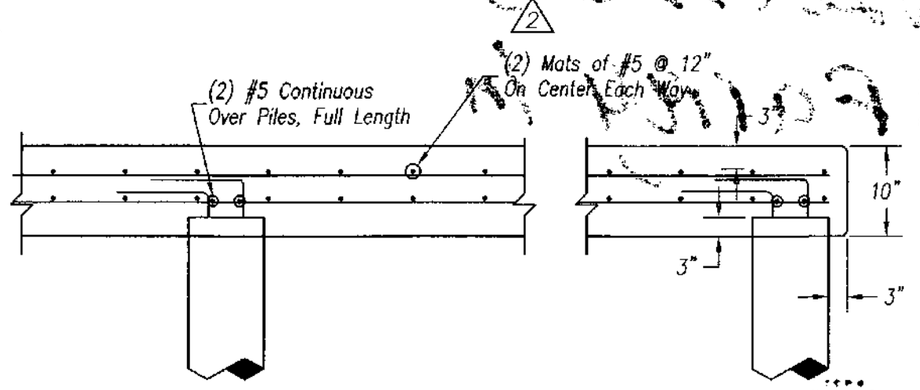
DSN WRT	DWN
DATE	12.242017
PLOT	48
DWG No.	8 FL SW 48
DIRECTORY	MM\Seawalls
Sheet	4



Steel Detail



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1	12.26.2019	Changes per contractor

REVISIONS

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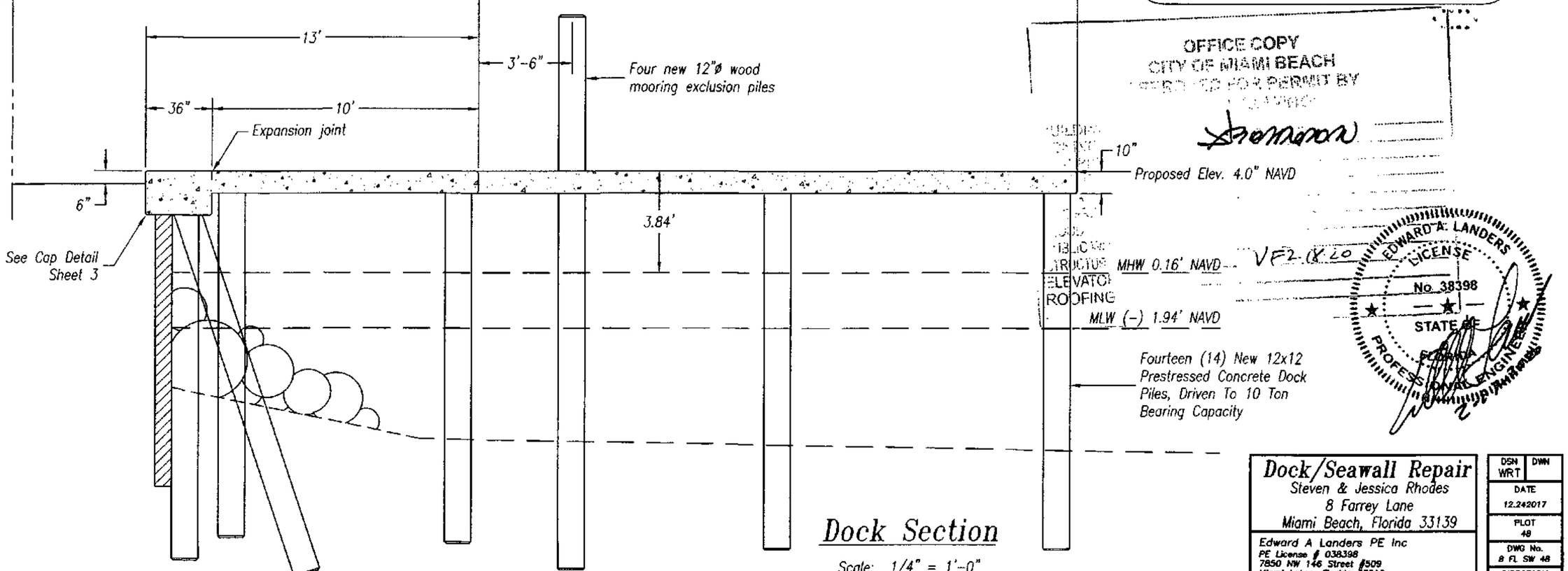
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY



Dock Section

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DSN WRT	DWN
DATE 12.242017	
PLOT 48	
DWG No. 8 FL SW 48	
DIRECTORY MM\Seawalls	
Sheet 5	

RV 10 (2005
8 Farrey In

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

F:\WORK\ALL\CAD\PW2\STANDARDS\CIVIL_STANDARD_DETAILS\Civil\Word Files\Word Files\Standard Details\Section 15 Site and Roadway Construction\A_Site Earthwork Details.dgn

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

PARCEL NO	STREET NO	DIR	STREET NAME
32330030080	8		FARREY LA
32330030080	8		FARREY LA
32330030080	8		FARREY LA
32330030080	8		FARREY LA
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