

WIND PRESSURES FOR OPENINGS A.S.C.E. 7-10	EXPOSURE D
WIND VELOCITY V=	175 MPH

1. Assume a Roof Main Height of H= 22 FT
H= 22 FT

2. Find Wind Loads $Q(h) = 0.00256 \cdot I \cdot V^2 \cdot K(h) \cdot K(z) \cdot K_d$ = PSF

$K_{hc} = \text{Comp. \& Clad. Table 6-3 Case 1} = 0.92$
 $Q_{hc} = 0.00256 \cdot V^2 \cdot K_{hc} \cdot K_t \cdot K_d = 50.21 \text{ psf}$

External Pressure Coefficients, $G C_p$
Loads on Components and Cladding for Buildings

$a = 3.2 \implies 3.20 \text{ ft}$

Mark & Component	Size (in)	Width (ft)	Span (ft)	Area Unit Calc. (ft ²)	Area Open. Total	Zone*	$G C_p$		Wind Press (lb/ft ²)		Design Press (lb/ft ²)	Glass Type	Anchor Type	Anchor @	NOA	Expiration Date		
							Max	Min	Max	Min								
A) FD XX	72 X 80"	3'	6.67	20.01	40.02	5	0.85	-1.16	51.83	-67.50	<	70	(-) 75.0	TYPE G1	1/4" TAPCONS	SEE NOA	15-0603.13	3/20/2019
Total (1 openings)					40.02													

Note: * Enter Zone 1 through 5.
** Dimension is based on the most critical in the opening

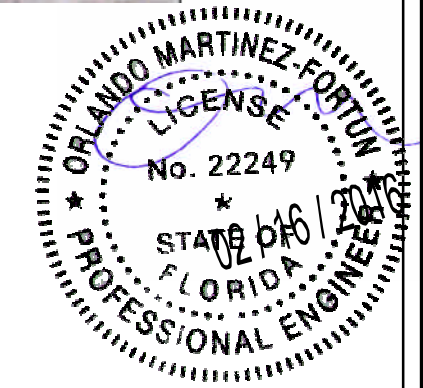
FOR: **AWANTO**
CONSULTANT GROUP, CORP.
7220 SW 39TH TERRACE, MIAMI, FL 33155
PH: (786) 553 5039
FAX: (305) 356 3627

GENERAL PROJECTS, MANAGEMENT & SUPERVISION
STEEL STRUCTURE, STORE FRONT, WINDOWS, STAIRS, SPIRAL STAIRS, RAILINGS, FENCES.

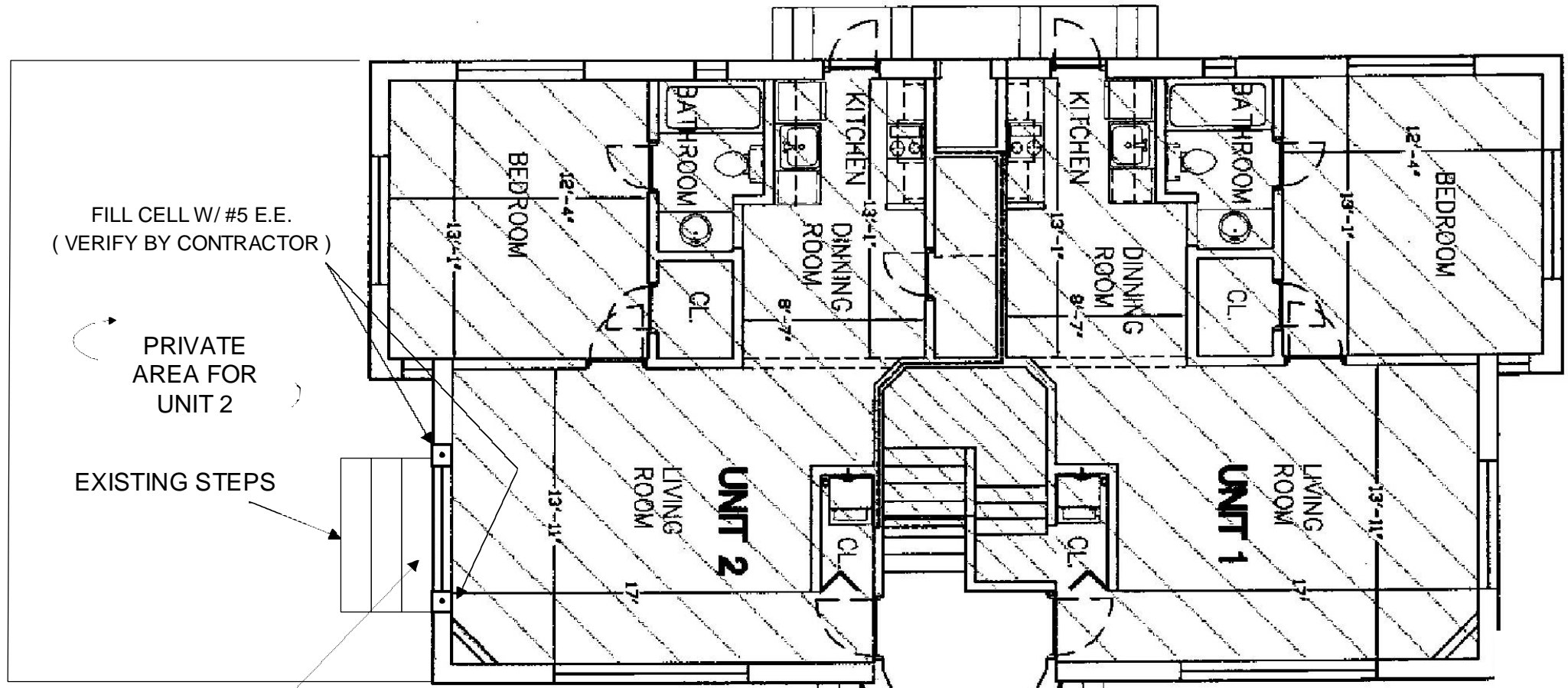
REPLACE EXISTING WINDOW BY DOOR
At
1011 MICHIGAN AVE., UNIT 2, MIAMI BEACH, FL 33139
Folio No: 02-4203-290-0090

Customer: OWNER
Job No: 20151111.03

CONSULTANT
orlando m. fortun
CONSULTING ENGINEERS, P.A.
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D 1
Date: 02/16/2016



EXISTING UNIT 2 FLOOR PLAN



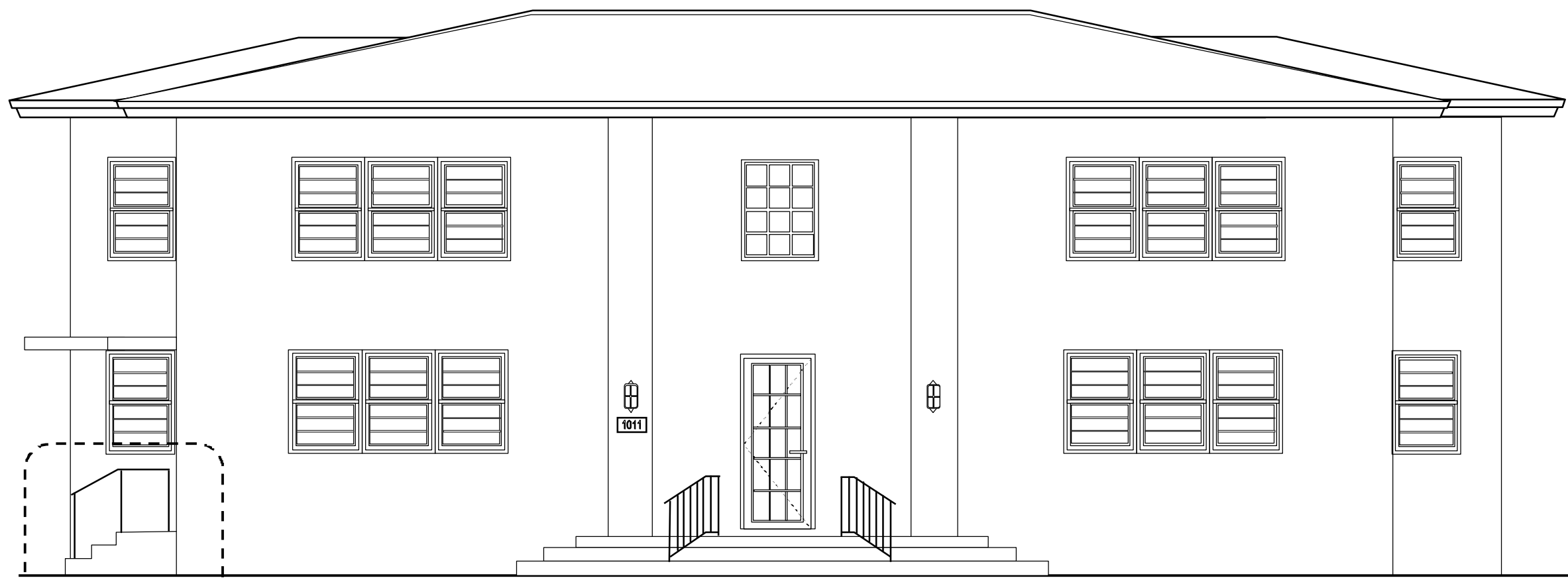
Remove existing window to install FD XX

EXISTING STEPS

DEMOLITION PROCEDURE TO REMOVE COLUMNS AND LOW WALLS

EXISTING WEST ELEVATION

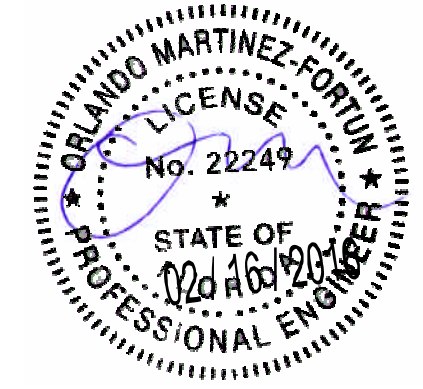
SCALE: 3/16" = 1'-0"



EXISTING FRONT ELEVATION

SCALE: 3/16" = 1'-0"

- DEMOLITION PROCEDURE TO REMOVE EXISTING PARAPET BELOW EXISTING WINDOW:
- 1- REMOVE EXISTING WINDOW.
 - 2- EXERTING EXTREME CAUTIONS AS NOT DAMAGE THE REMAINS STRUCTURE, AND USING A CONCRETE SAW, PROCEED TO PROVIDE CUTS TO SEPARATE THE BLOCK WALL BELOW THE WINDOW THAT WERE REMOVED.
 - 3- PATCH UP THE AREAS TO PROVIDE A SMOOTH AND EVEN FACES TO RECEIVE THE FRAME OF THE PROPOSED FRENCH DOOR.
 - 4- INSTALL FRENCH DOOR AS PER MIAMI DADE COUNTY NOA:15-0603.13 ATTACHED TO THE DOCUMENTS.



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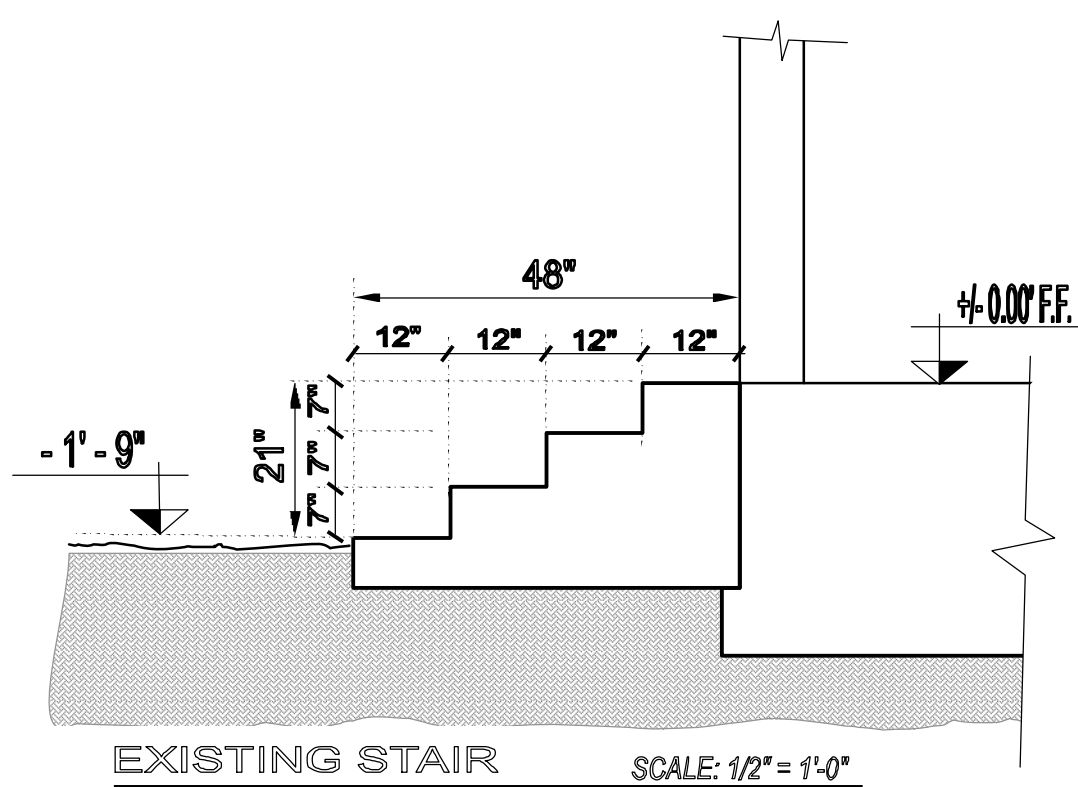
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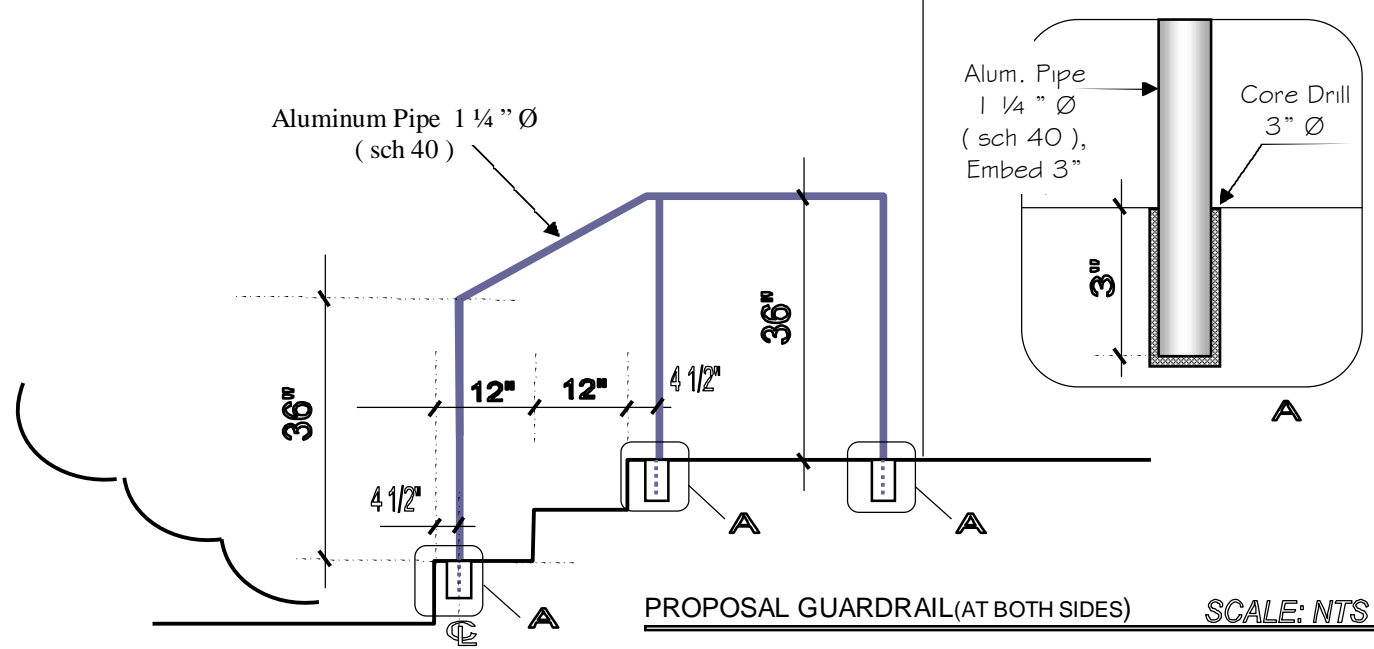
D 2
 Date: 02/16/2016



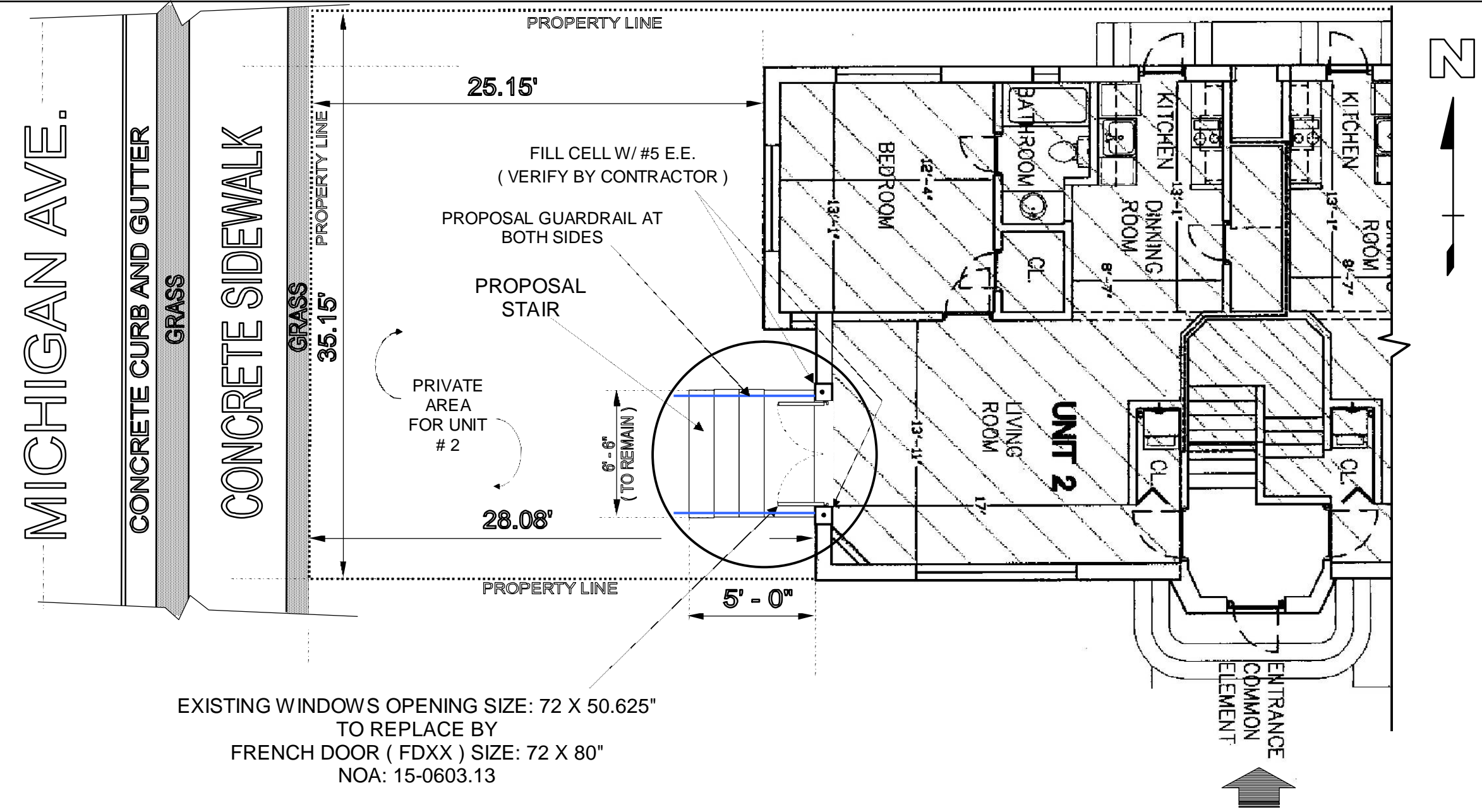
EXISTING STAIR SCALE: 1/2" = 1'-0"

NOTES:
CONCRETE:
 a-ALL CONCRETE SHALL BE IN CONFORMANCE WITH ACI 318-14, 301-10, 347R-14, (IN ALL LAST EDITION) , AND ASTM C94 AND PROPORTIONED FOR STRENGTH AND QUALITY REQUIREMENTS IN ACCORDANCE WITH ACI 318-14 , SECTION "PROPORTIONING ON THE BASIS OF FIELD EXPERIENCE"
 b-ALL CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28- DAY STANDARD TEST, UNLESS OTHERWISE NOTED ON PLANS AND SHALL HAVE A SLUMP (IN) OF 4" ; 1". (FOUNDATIONS 5" ; 1)
 c-MINIMUM COVER FOR REINFORCING STEEL UNLESS OTHERWISE NOTED SHALL BE:
 -CONCRETE DEPOSITED AGAINST THE GROUND ----- 3"

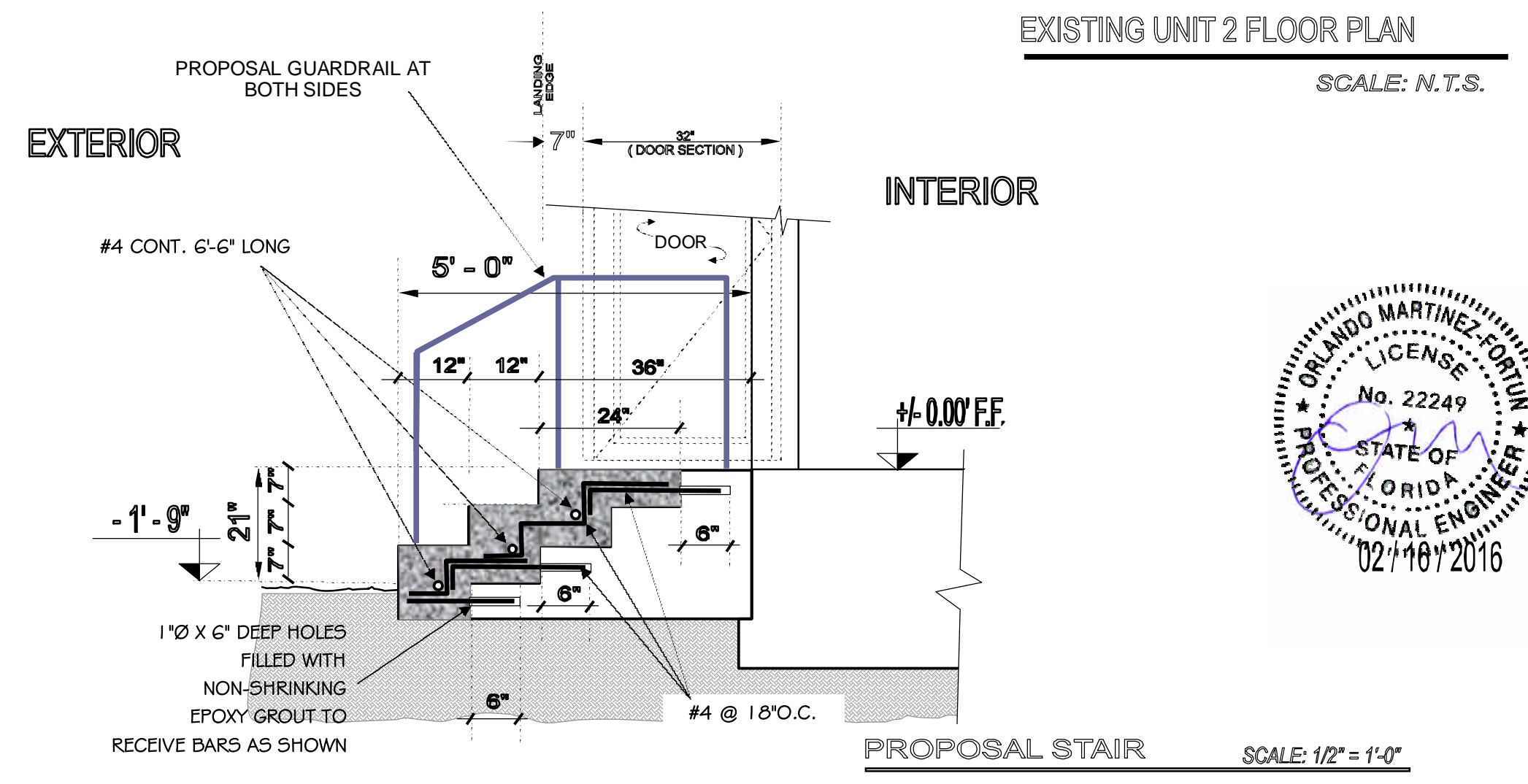
REINFORCING STEEL:
 a-ALL REINFORCING STEEL SHALL BE DEFORMED BARS, FREE FROM LOOSE RUST AND SCALE, AND CONFORMING TO ASTM A615-15A, GRADE 60 NO WELDING OR TACK WELDING SHALL BE ALLOWED.
 b-ALL ACCESSORIES SHALL HAVE UPTURNED LEGS AND PLASTIC DIPPED AFTER FABRICATION. ACCESSORIES SHALL BE INSTALLED IN ACCORDANCE WITH ACI 318-14 CURRENT EDITION.
 c-REINFORCING SHALL BE HELD SECURELY IN POSITION WITH STANDARDS ACCESSORIES DURING PLACING OF CONCRETE IN ACCORDANCE WITH CRSI "MANUAL OF STANDARD PRACTICE", LAST EDITION



PROPOSAL GUARDRAIL(AT BOTH SIDES) SCALE: N.T.S.



EXISTING WINDOWS OPENING SIZE: 72 X 50.625"
 TO REPLACE BY
 FRENCH DOOR (FDXX) SIZE: 72 X 80"
 NOA: 15-0603.13



PROPOSAL STAIR SCALE: 1/2" = 1'-0"

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D 3
 Rev. Date: 02/16/2016



REAR OF THE BUILDING. NORTH ELEVATION



REPLACE EXISTING WINDOW BY DOOR
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PICTURES FOR CITY
2



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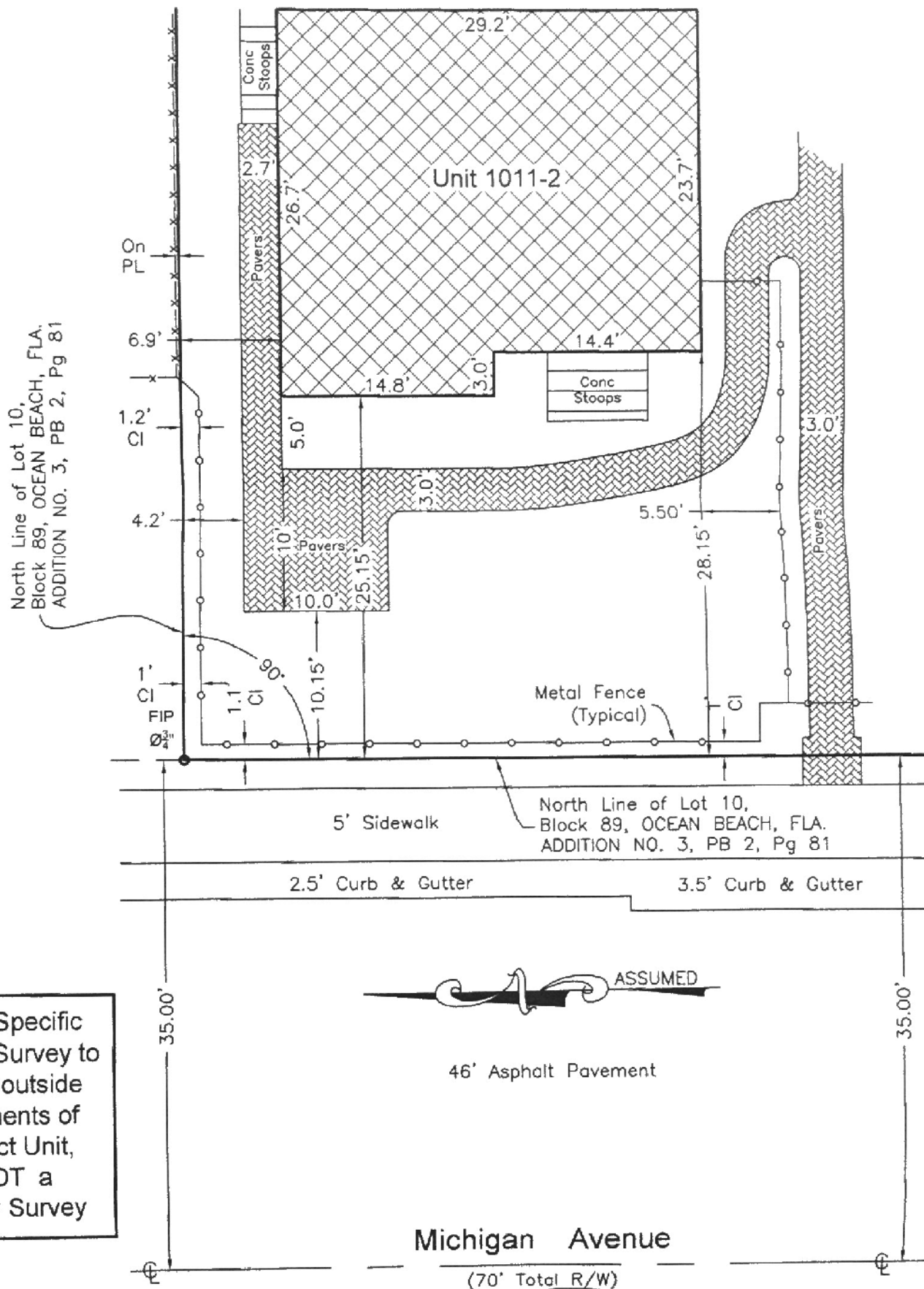
FRENCH DOOR



PICTURES FOR CITY
1

Property Address: 1011 Michigan Avenue, Unit 2, Miami Beach, Florida 33139

Legal Description: Unit 1011-2 of Villa Lucca South, a Condominium according to the Declaration of Condominium thereof, recorded in Official Records Book 23190, Page(s) 4864, of the Public Records of Miami-Dade County, Florida, and any amendments thereto, together with its undivided share in the common elements.



This is a Specific Purpose Survey to show the outside improvements of the subject Unit, this IS NOT a Boundary Survey

LEGAL NOTES

This Survey does not reflect or determine ownership; Examination of the Abstract of Title will have to be made to determine Recorded Instruments, if any, affecting the property; This Survey is subject to dedications, limitations, restrictions, reservations or easements of records; Legal Description provided by client; The Liability of this Survey is limited to the cost of the Survey; Underground Encroachments, if any, are not shown; This firm has not attempted to locate footing and/or foundations and/or underground improvements of any nature; If shown, Bearings are referred to an Assumed Meridian; If shown, Elevations are referred to National Geodetic Vertical Datum of 1929 (NGVD 1929); Unless otherwise noted, found corners have no identification

Date of Field Work 03-17-2016

For:
Luis Javier Perrigo

Aniano J. Garcia PLSM 5105

Not valid without the signature and the original raised seal of a Florida licensed surveyor and mapper

Order No 16-0071

LEGEND AND ABBREVIATIONS

A = Arc Length; AC = Air Conditioner; AE = Anchor Easement; BC = Block Corner; BM = Bench Mark; BOB = Basis Of Bearings; (C) = Calculated Dimension; CB = Catch Basin; CBS = Concrete Block Structure; CFW = Concrete Fence Wall; CH = Chord Length; CHB = Chord Bearing; CI = Clear; CML = City Monument Line; CME = Canal Maintenance Easement; Conc = Concrete; DE = Drainage Easement; DME = Drainage & Maintenance Easement; Dr = Drive; E = East; Elev = Elevation; ENCR = Encroached; ETP = Electric Transformer; FDH = Found Drill Hole; FIR = Found Iron Rod; FFE = Finished Floor Elevation; FH = Fire Hydrant; FIP = Found Iron Pipe; FN = Found Nail; FT = Feet; LME = Lake Maintenance Easement; LB = Licensed Business; LFE = Lowest Floor Elevation; LP = Light Pole; (M) = Measured Dimension; ME = Maintenance Easement; MON = Monument; N = North; NGVD 1929 = National Geodetic Vertical Datum of 1929; NTS = Not To Scale; OE = Overhead Cables; OH = Over Hang; ORB = Official Record Book; O/S = Off Set; Pb = Plat Book; PC = Point of Curvature; PCC = Point Of Compound Curvature; PCOR = Property Corner; PCP = Permanent Control Point; Pg = Page; PL = Planter or Property Line; PLS = Professional Land Surveyor; PLSM = Professional Land Surveyor and Mapper; POB = Point Of Beginning; POC = Point Of Commencement; PRC = Point Of Reverse Curve; PRM = Permanent Reference Monument; PT = Point Of Tangency; R = Radius; (R) = Recorded Dimension; RLS = Registered Land Surveyor and Mapper; R/R = Rail Road; R/W = Right Of Way; Sec = Section; T = Tangent; S = South; SIP = Set iron Pipe With Cap Stamped PLS 5105; UE = Utility Easement; UP = Utility Pole; UT = Utility; W = West; WF = Wood Fence; WM = Water Meter; WY = Water Valve; C = Centerline; --- = Chain Link Fence; [Cross-hatch] = Concrete Wall; ° = Degrees; Δ = Central Angle; ∅ = Diameter; ' = Existing Elevation; ' = Minutes; " = Seconds; --- = Wood Fence