

EXISTING ONE-STORY
RESIDENTIAL STRUCTURE

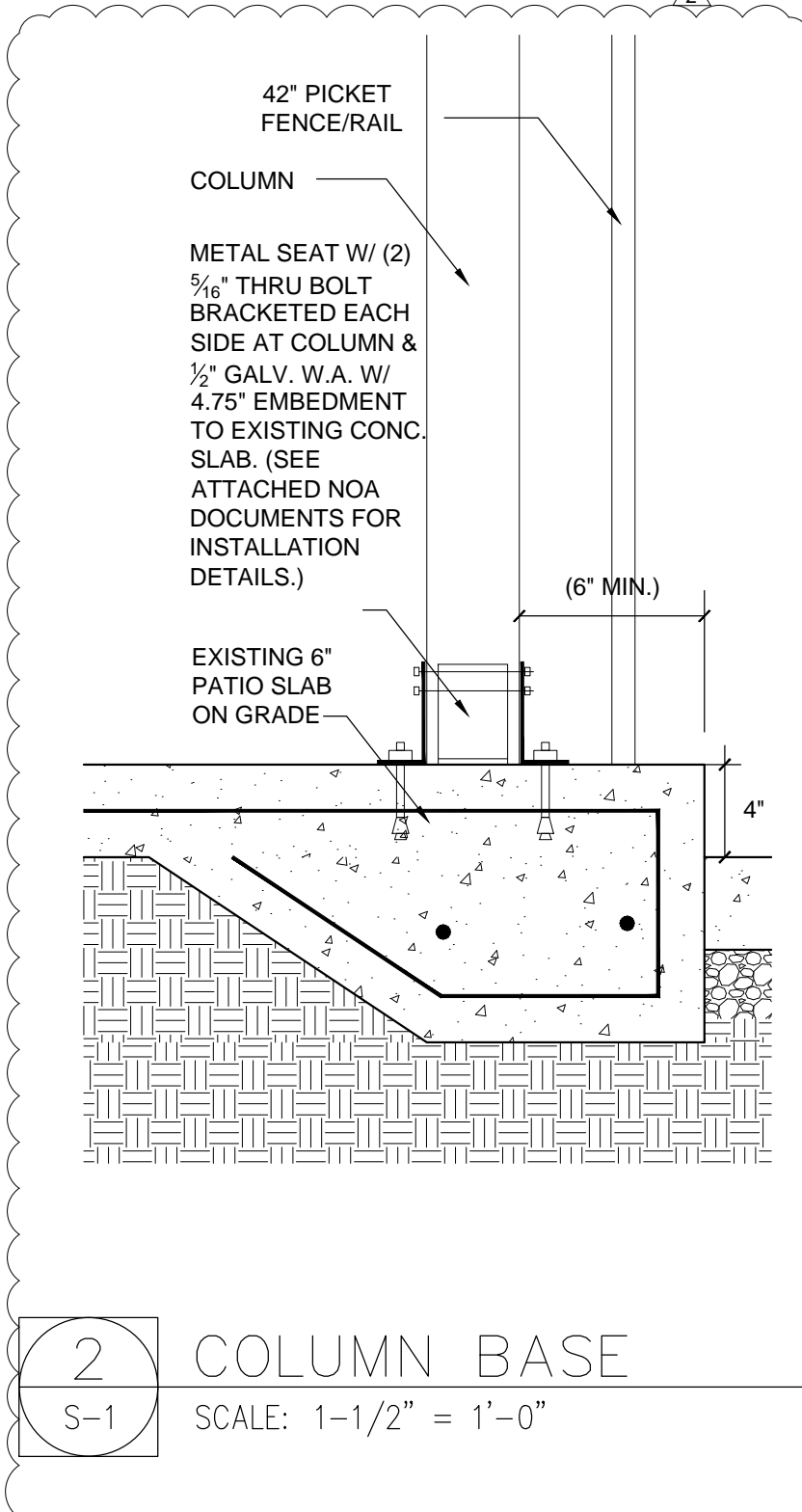
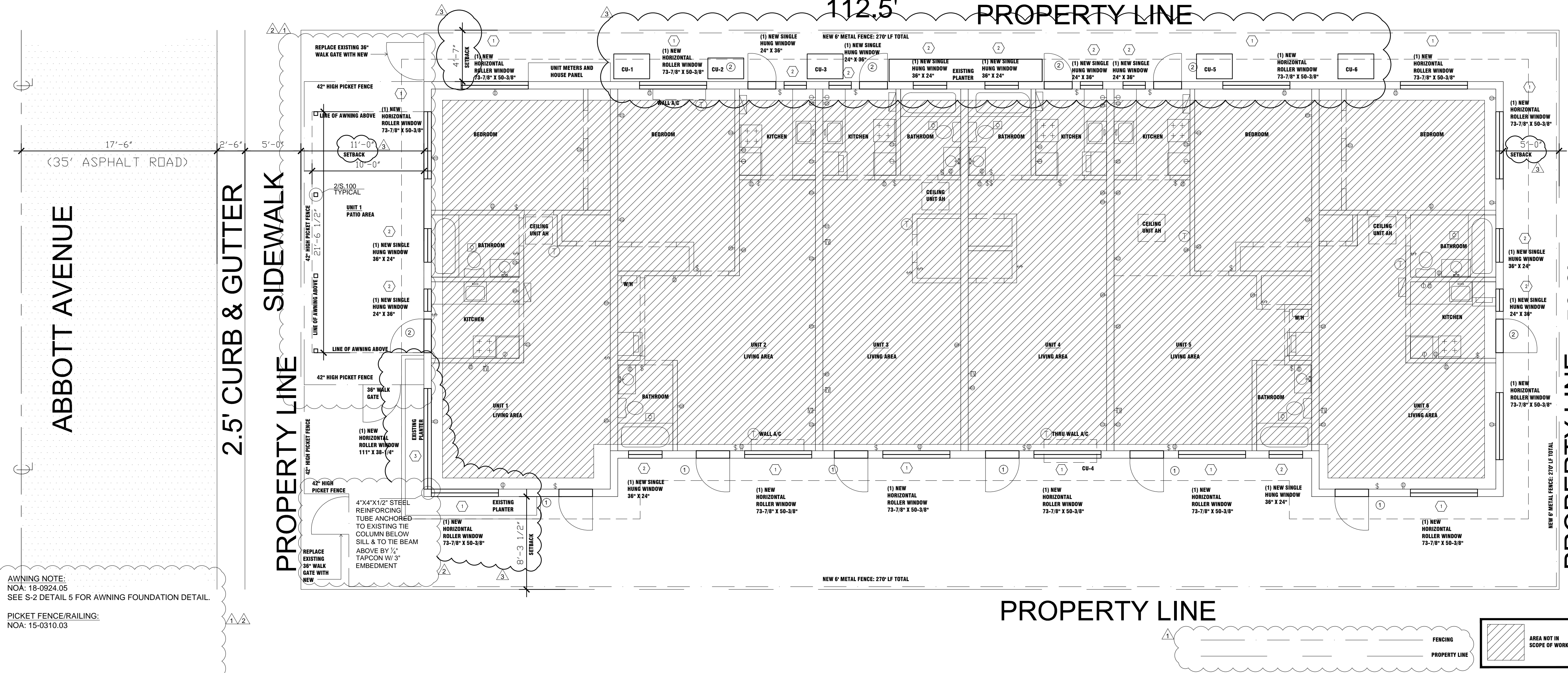
FFE: +10'-0"
BFE: +8'-0"

112.5' PROPERTY LINE

6' FENCING - 270 LF:
42" PICKET FENCING - 48 LF:
THE SCOPE OF WORK CONSISTS OF:
SEE ATTACHED MANUFACTURERS DRAWINGS FOR DESIGN
LOADS, POST FOOTING, AND INSTALLATION DETAILS.



ARCHITECTURE/CIVIL/STRUCTURAL
924 NORTH FEDERAL HWY
HOLLYWOOD, FL 33022
(561) 666 2450
MEP ENGINEERS
RM2 ENGINEERING & DESIGN, LLC
CERTIFICATE OF AUTHORIZATION # 32694
3389 SHERIDAN STREET, #530
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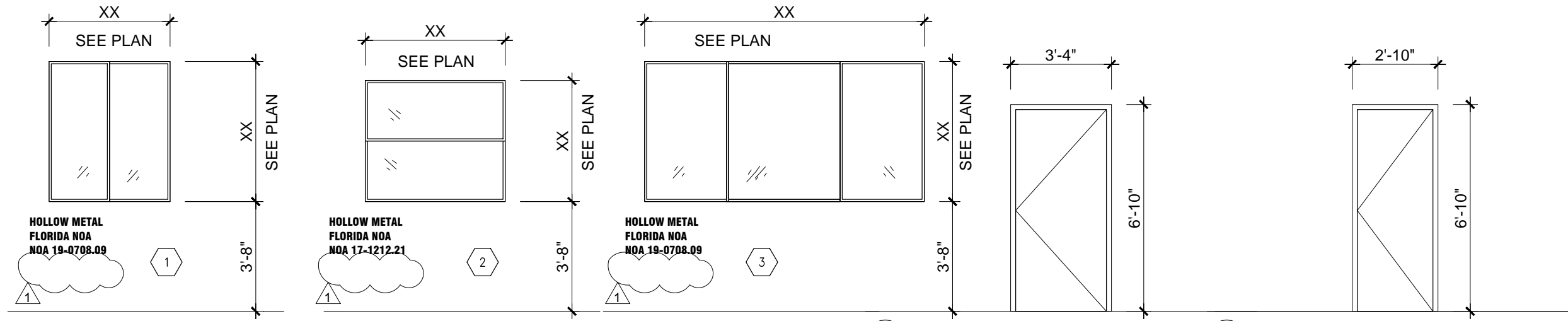
AWNING NOTE:
NOA: 18-0924.05
SEE S-2 DETAIL 5 FOR AWNING FOUNDATION DETAIL

PICKET FENCE/RAILING:
NOA: 15-0310.03

1 EXISTING SITE PLAN
S-1 SCALE: 3/16" = 1'-0"

WINDOW SCHEDULE

MARK	CODE	REMARK
6	NEW	NEW IMPACT RATED WINDOW SEE ATTACHED NOA DOCUMENTATION FOR MANUFACTURER INSTALLATION SPECIFICATIONS AND DETAILS



DOOR SCHEDULE

MARK	CODE	REMARK
6	NEW	NEW IMPACT RATED SLIDING OR SWING DOOR W/ SIDELIGHTS SEE ATTACHED NOA DOCUMENTATION FOR MANUFACTURER INSTALLATION SPECIFICATIONS AND DETAILS. HARDWARE TO MATCH EXISTING; CONTRACTOR SHALL COORDINATE WITH OWNER.

EGRESS WINDOW NOTE:
WINDOW TYPE 1 AT ALL BEDROOMS AND STUDIO TYPE UNITS 3 & 4 SHALL BE EGRESS WINDOWS PER FBC1030.5 WHERE:
1030.5.1 Minimum size. The minimum horizontal area of the window well shall be 9 square feet (0.84 m²), with a minimum dimension of 36 inches (914 mm). The area of the window well shall allow the emergency escape and rescue opening to be fully opened.
1030.5.2 Ladders or steps. Window wells with a vertical depth of more than 44 inches (1118 mm) shall be equipped with an approved permanently affixed ladder or steps. Ladders or rungs shall have an inside width of at least 12 inches (305 mm), shall project at least 3 inches (76 mm) from the wall and shall be spaced not more than 18 inches (457 mm) on center (o.c.) vertically for the full height of the window well. The ladder or steps shall not encroach into the required dimensions of the window well by more than 6 inches (152 mm). The ladder or steps shall not be obstructed by the emergency escape and rescue opening. Ladders or steps required by this section are exempt from the stairway requirements of Section 1011.

BUCK DETAILS:
REFER TO NOAs FOR ASSOCIATED BUCK DETAILS AT DOORS AND WINDOWS.

THRESHOLD NOTE:
DOOR THRESHOLDS SHALL NOT EXCEED 1/2" MAX PER FBC10.10.1.7.

3 WINDOW/DOOR ELEVATION
S-1 SCALE: 1/4" = 1'-0"

ASCE 7-10 Chapter 30: Wind Loads
Components and Cladding (C&C) - Low Rise Building ≤ 60 feet

V (mph) = 175 Section 26.5
K_d = 0.85 Section 26.6
Exposure C Section 26.7
K_e = 1.00 Section 26.8
G_{Cp} = 0.18
Roof = Gable/Hip/Flat Roof
α = 9.5 (Table 26.9-1)
z_g = 900 (Table 26.9-1)

Eave Height, h_e = 10 feet
Ridge Height, h_r = 12 feet
Roof Width = 60 feet. (Normal to Building Ridge)
Building Length = 96.5 feet
Building Width = 37.1 feet
Roof Angle, θ = 3.81 deg.
h = 11.00 feet
a = 3.71 feet

Wall Pressures (psf) - Service										
Zones	z	Kz	q _z	Area	10	20	50	100	200	500
(+) 4 & 5	10.00	0.85	56.57	Figure 30.4-1, 10% Reduced G _{Cp} = 0.9	0.8521543	0.7889057	0.74106	0.6932143	0.63	
4 (-)	10.00	0.85	56.57	Figure 30.4-1, 10% Reduced G _{Cp} = -0.99	-0.9421543	-0.8789057	-0.83106	-0.7832143	-0.7199657	
5 (-)	10.00	0.85	56.57	Figure 30.4-1, 10% Reduced G _{Cp} = -1.26	-1.1643086	-1.0378114	-0.94212	-0.8464286	-0.7199314	
Roof Pressures (psf) - Service										
Zones	z	Kz	q _z	Area	10	20	50	100	200	500
1 (-)	10.00	0.85	56.57	h _{s60} , Gables Roof 85°7', Figure 30.4-2A, G _{Cp} = -1	-0.969897	-0.930103	-0.9	-0.9	-0.9	
2 (-)	10.00	0.85	56.57	h _{s60} , Gables Roof 85°7', Figure 30.4-2A, G _{Cp} = -1.8	-1.599279	-1.310721	-1.1	-1.1	-1.1	
3 (-)	10.00	0.85	56.57	h _{s60} , Gables Roof 85°7', Figure 30.4-2A, G _{Cp} = -2.8	-2.288249	-1.611751	-1.1	-1.1	-1.1	
(+) 1, 2, 3	10.00	0.85	56.57	h _{s60} , Gables Roof 85°7', Figure 30.4-2A, G _{Cp} = 0.3	0.269897	0.230103	0.2	0.2	0.2	

NOTES:
30.2.2: Minimum Design Pressures are 16 psf (Ultimate) and 10 psf (Service)
30.2.3: Tributary Areas greater than 700 ft² shall be permitted to be designed using the provisions for MWFRS
Table 30.3-1: z shall not be taken less than 30 feet in Exposure B
Figure 30.4-2B: For hip roofs with θ ≤ 25°, Negative Zone 3 shall become Zone 2
Figure 30.4-1: G_{Cp} for walls shall be reduced by 10% when θ ≤ 10°
Figure 30.4-1: Eave Height for walls shall be used when θ ≤ 10°
Figure 30.4-2: Eave Height for Roof shall be used when θ ≤ 10°
Figure 30.4-2A: If a parapet ≥ 3' is provided with θ ≤ 7°, Negative Zone 3 shall become Zone 2, and Positive Zones 2 & 3 shall become Zones 4 & 5

SCOPE OF WORK

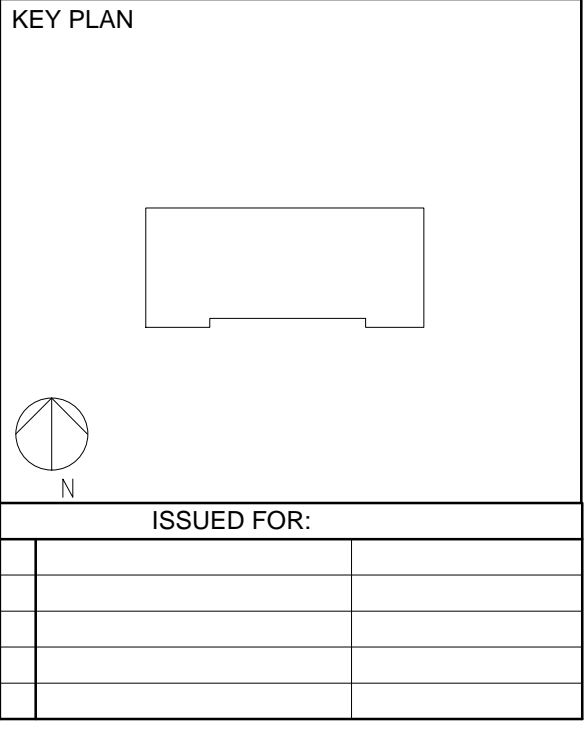
THE SCOPE OF WORK CONSISTS OF:
LEGALIZING OF REMOVED AND REPLACED WINDOWS FOR MIAMI-DADE PRODUCT APPROVED IMPACT WINDOWS
LEGALIZING OF REMOVED AND REPLACED EXTERIOR DOORS FOR MIAMI-DADE PRODUCT APPROVED IMPACT OUT-SWING DOORS. LEGALIZING OF EXISTING FENCE/PICKET FENCE PER MANUFACTURERS SPECIFICATIONS. NOA PROVIDED. LEGALIZING OF AWNING AND PICKET FENCE INSTALLED BY PREVIOUS OWNER. NOA PROVIDED.
MECHANICAL: REPLACE EXISTING A/C UNITS. ELECTRICAL: REPLACE EXISTING A/C CIRCUITS AS NEEDED AND REMOVE AND REPLACE EXISTING WATER HEATER FOR NEW IWH IN SAME LOCATION AT UNITS 2,3,8,5.
PLUMBING: NO PLUMBING IN THIS SCOPE.

NOTES

ALL INTERIOR FINISHES SHALL BE CLASS 'C' FLAMESPREAD 76-200, SMOKE DEVELOPED 0-450
ALL WALL AND GLASS DOORS, SHALL BE CLASS II SAFETY GLAZING AND SHALL COMPLY W/ASTM C 1036 REQUIREMENTS
PROTECTION OF WALL OPENINGS/PENETRATIONS SHALL COMPLY W/FBC 705
FIRE PROTECTION RATED GLAZING INSTALLED AS AN OPENING PROTECTIVE IN FIRE PARTITIONS. SMOKE BARRIERS AND FIRE BARRIERS SHALL BE TESTED IN ACCORDANCE WITH AND SHALL MEET THE ACCEPTANCE CRITERIA OF FFPC 257 FOR FIRE PROTECTION RATING OF 45 MINUTES. FIRE PROTECTION RATED GLAZING SHALL ALSO COMPLY WITH FFPC 80. FIRE PROTECTION RATED GLAZING REQUIRED IN ACCORDANCE WITH SECTION 704.12 FOR EXTERIOR WALL OPENING PROTECTION SHALL BE TESTED IN ACCORDANCE WITH AND SHALL MEET THE ACCEPTANCE CRITERIA OF FFPC 257 FOR FIRE PROTECTION RATING AS REQUIRED IN SECTION 715.4.8.
ALL WOOD IN CONTACT WITH MASONRY SHALL BE TREATED.
CONTRACTOR SHALL FIELD VERIFY EXISTING WINDOW AND DOOR ROUGH OPENING DIMENSIONS. EXISTING OPENINGS SHALL REMAIN WITH NEW WINDOWS AND DOORS ORDERED TO FIT EXISTING CONDITION.
WHERE WINDOWS & DOORS ARE TO BE REPLACED, THE CONTRACTOR SHALL REMOVE AND REPLACE EXISTING WINDOWS & DOORS REUSE EXISTING OPENING AND INSTALL PER MANUFACTURER SPECIFICATIONS. SEE NOA DOCUMENTS FOR DETAILS. (PER FBC EB 702.4 & 702.5)
CONTRACTOR SHALL TRANSFER EXISTING DOOR HARDWARE TO NEW DOORS AND COORDINATE KEYING OF DOORS WITH OWNER.

Project Name:
WINDOW, DOOR, & M/E SERVICES REPLACEMENT

7921 ABBOTT AVENUE
MIAMI BEACH, FL 33141



Comm. No. 2019-HMSD
Scale: AS-SHOWN
Date: 06/15/2019
Drawn: KL
Checked: CM

FLOOR PLAN & WIND CALCULATIONS

Sheet No.