

CODE CRITERIA

- FLORIDA BUILDING CODE SEVENTH EDITION (2020)
- FLORIDA FIRE PREVENTION CODE 7th EDITION (2020)
- BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE - (ACI 318-14)
- SPECIFICATIONS FOR STRUCTURAL CONCRETE BUILDINGS - (ACI 301-14)
- BUILDING CODE FOR MASONRY STRUCTURES - (TMC 402-2016)
- SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS - (AISC 360-16)
- NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION - NDS-2018
- WOOD FRAMED CONSTRUCTION MANUAL 2015 EDITION
- APA PLYWOOD DESIGN SPECIFICATION
- AMERICAN SOCIETY OF CIVIL ENGINEERS: ASCE/SEI 7-16

NOTES:

- 1) 5000 psi Concrete
- 2) 0.040 WCR max
- 3) Min Overlap as per ACI
- 4) Steel to be ASTM A615 Grade 60
- 5) 2" Concrete cover min.
- 6) Dowel epoxy 12" into solid concrete wherever possible.
- 7) Minimum Bearing to be 4" on each end



AREA OF WORK



VICINITY MAP
SCALE: NTS

PROJECT: Kurt & Tina Krokenberger Residence
3401 Brahman Ave
Rockledge, FL 32955

DETAIL: As Built Wall Detail
SCALE: NTS

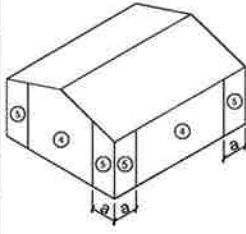
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WIND LOADING CRITERIA

WIND SPEED (ULTIMATE)	150 MPH
WIND SPEED (ALLOWABLE)	116 MPH
EXPOSURE CATEGORY	C
BUILDING CATEGORY	II
BUILDING TYPE	V
ENCLOSURE CLASSIFICATION	OPEN
INTERNAL PRESSURE COEFFICIENT	+/- 0.0

NOTE: MEAN ROOF HEIGHT FOR TYPICAL SINGLE STORY HOME IS 15FT, AND FOR 2 STORY HOME IS 30FT

ASCE 7-16 WALL DESIGN ALLOWABLE COMPONENTS AND CLADDING WIND PRESSURES AND SUCTIONS FOR MEAN ROOF HEIGHT ≤ 60 ft

EFFECTIVE WIND AREA (SQ FEET)	WIND PRESSURE AND SUCTION (PSF) (+) VALUE DENOTES PRESSURE (-) VALUE DENOTES SUCTION	WIND PRESSURE AND SUCTION DIAGRAM
AREA	(4) (5)	
10	(+) 42.3 (-) 45.9	
20	(+) 40.4 (-) 44.0	
50	(+) 37.9 (-) 41.4	
100	(+) 36.0 (-) 39.5	

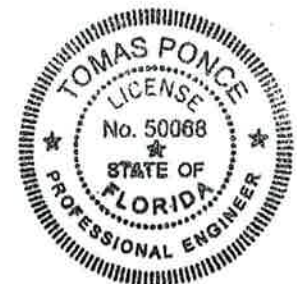
SCOPE OF WORK:

- 1) Construct a new 3 foot wide by 4" deep concrete walkway along entire north wall of building.
- 2) Construct a new concrete continuous footing running east to west along the northern end of the property.
- 3) Construct a 92 linear foot long 6' high concrete masonry retaining wall.
- 4) Transition to an additional 48 linear foot 2 foot high (3 courses) concrete masonry wall.

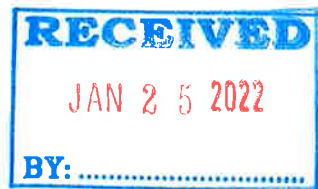


Digitally signed by Tomas Ponce
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CONSULTING, INC., L=Cocoa
Beach, S=Florida, C=US
Date: 2022.01.25
13:34:28-05'00'

This item has been digitally signed and sealed by [Tomas Ponce PE, FL # 0050068], on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



Tomas Ponce MSCE, PE
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Date: 01/25/2022



4'-10" High CMU Retaining wall

Property Line

6'-0"

12'-8"

97'-0"

Residence

3401 Brahman Ave

AS BUILT PLAN VIEW

SCALE: NTS

Poured Concrete Deck

West wall of residence

4' - 3" High Fence

6" Perforated drain pipe w/
daylight holes down

58"

0'-3"

Grade

18'-8"

Footing is 6" above grade

As Built SIDE VIEW

SCALE: NTS

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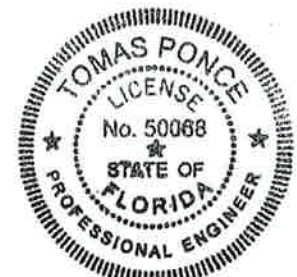
DETAIL: AS Built Wall Detail
SCALE: NTS

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