PREPARED 2/16/18, 14:12:18

INSPECTION TICKET

PAGE

Harnett County INSPECTOR: IVR 

DATE

2/19/18

ADDRESS . : 1353 MIKE WILLIAMS LN SUBDIV: NANCY GODWIN ESTATE

CONTRACTOR : RICARDO PADRON ARICIAGA

PHONE: (919) 222-0486

OWNER . . : LOPEZ ROBERTO ALVAREZ PHONE :

PARCEL . . : 01-0545- - -0067- - -

APPL NUMBER: 17-50042745 CP MANUFACTURED HOME RA20R/RA20M CRITERIA

DIRECTIONS: T/S: 11/13/2017 03:25 PM LLUCAS ----

1353 MIKE WILLIAMS LN

210 TOWARDS SPRING LAKE - LEFT ON MIKE WILLIAMS - TAKE A RIGHT AT THE FIRST Y - TAKE A RIGHT AT THE SECOND Y - HOUSE

WILL BE THE SECOND ON THE LEFT

STRUCTURE: 000 000 76X30 4BDR DWMH 2BTH

FLOOD ZONE . . . : FLOOD ZONE X

# BATHS . . . . . . . . . . . . 2

# BEDROOMS . . . . . . :

MOBILE HOME YEAR . . . . : 2005.00

PROPOSED USE . . . . . . : SFD
WATER SUPPLY . . . . . : EXIST WELL SEPTIC - EXISTING? . . . : EXIST

PERMIT: CPDW 00 CP MOBILE HOME DOUBLEWIDE

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
A814 01	1/22/18	SB	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 003077625
	1/22/18	AP	1351 MIKE WILLIAMS RD BUNNLEVEL 28323
	,		T/S: 01/22/2018 08:53 AM SBENNETT
T501 01	1/22/18	JH	R*MOBILE HOME FOUND./ M. WALL TIME: 17:00 VRU #: 003077617
	1/22/18	DA	T/S: 01/19/2018 11:25 AM BPETRICH
			$\mathcal{A}$ ) Need engineer letter for over height mobile home. $\mathcal{A}$ ) $\Diamond$ mill
			poly under house lapped 12" & pinned in place (3) Repair all
			tarequnder house in belly board.4) Missing cross over
			duct. Need to cover all cross over connections 6 Bond

frame (7) DWV test on drain lines. Support drain lines every 4'N9) Need 3' landing on back steps at final.

R\*MOBILE HOME FOUND./ M. WALL TIME: 17:00 VRU #: 003090644

T/S: 02/16/2018 10:35 AM BPETRICH -----

COMMENTS AND NOTES -----

T501 02

## MASSENGILL ASSOCIATES, P.A.

CONSULTING ENGINEERING
DESIGN AND PROJECT MANAGEMENT
116 E. MAIN ST. P.O. BOX 695 BENSON, N.C. 27504 - 0695
PHONE: 919-894-2071 FAX: 919-894-7288

DATE:\_ /-30-/8

PROJECT: POBERTO ALVAREZ

SUBJECT: STRUCTURAL REVIEW OF MOBILE HOME

WIND ANCHORAGE REQUIREMENTS

DEAR: MR ALVAREZ

I HAVE COMPLETED STRUCTURAL CALCULATIONS TO DETERMINE THE AMOUNT AND TYPE OF WIND ANCHORS WHICH ARE REQUIRED TO MEET THE NORTH CAROLINA BUILDING CODE WIND LOADING CONDITIONS.

THE RESULTS OF MY FINDINGS ARE SHOWN ON SHEET ONE OF THE ATTACHED SKETCHES. CALCULATIONS WERE MADE USING THE VARIOUS TABLES AND REQUIREMENTS OF NCBC TO DETEMINE THE WIND FORCES AND ANCHORAGE REQUIREMENTS AS SHOWN ON SHEET NUMBER TWO.

THE CALCULATIONS ARE BASED UPON THE ANCHOR SAFE WORKING WITHDRAWL CAPACITY OF 3341 POUNDS VERTICAL AND 3341 POUNDS HORIZONTAL AT THE SOIL LEVEL. THE INSTALLED ANCHOR CAPACITY IS THE RESPONSIBILITY OF THE INSTALLER. THE METAL STRAPPING MUST MEET THE MINIMUM REQUIREMENTS OF FEDERAL SPECIFICATION QQ-S-781H FOR TYPE I, CLASS B, GRADE 1 STRAPPING. THE STRAPPING SHALL BE 1.25" BY 0.035 HOT DIP GALVANIZED STEEL. THE FOUNDATION, ANCHORGAGE POINTS, AND ANCHORAGE LOCATIONS MUST BE IN ACCORDANCE WITH THE MANUFACTURERS INSTALLATION SPECIFICATIONS. PIER FOUNDATIONS MUST BE PROTECTED FROM EROSION BY YARD WATER REMOVING BEARING SOILS.

SUMMARY: BASED ON MY SITE VISIT AND THE ATTACHED CALCULATIONS
THE TYPE AND LOCATION OF THE ANCHORS ARE ADEQUATE TO SUPPORT THE WIND LOADING
REQUIREMENTS AS REQUIRED BY THE NCBC.

IF YOU HAVE ANY QUESTION, PLEASE LET US KNOW.

SINCERELY.

J. W. MASSENGILL, P.E.

## MASSENGILL ASSOCIATES, P.A.

Consulting Engineering
Design And Project Management
114 East Main Street P.O. Box 695
BENSON, NORTH CAROLINA 27504-0695
(919) 894-2071 FAX (919) 894-7288

JOB HOBERTO ALVAREZ KES
SHEET NO. 5 - 7 OF 5 - 3
CALCULATED BY LINI MASSENCII CHATE 1-30-18

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## MASSENGILL ASSOCIATES, P.A.

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(919)-894-2071 FAX (919)-894-7288

JOB ROBERTO ALVAREZ RES CHECKED BY\_ SCALE

KES, LUARET MIND CO MP1+ BRALES KONDITIONS! LOCATION るか DESILN WILLD 2 STRUCTURE EXPOSURE 1.0 ASCE 17-105 | DESIGN WIND HORIZONTAL PRESENCE 7.5 FRE SOUR E Aut 1114: HORIZONTAL WIND LOAD = 3#/55 VERTICAL UPCIET GAD = DEAD LOAD OF UNIT = 30 7