

REVISION:

DRAWN:

DJR

CUSTOM DESIGNED HOME FOR:  
**Mr. Randy McRae**  
COLUMBIA COUNTY, FLORIDA  
**Partial Building Section**

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DATE:  
22/JAN/2019

COMP:

SHEET:

A.7

7 of 14

Digitally signed by: N. P. GEISLER  
DN: cn = N. P. GEISLER, c = US,  
o = AR0007005 OU = ARCHITECT  
Date: 2020.06.23 10:56:03 -0500

AR0007005

## 2017 FLORIDA BUILDING CODE COMPLIANCE SUMMARY

BASIC WIND SPEED:	120 MPH
WIND IMPORTANCE FACTOR (I):	I = 1.00
BUILDING CATEGORY:	CATEGORY II
WIND EXPOSURE:	IE
INTERNAL PRESSURE COEFFICIENT:	+/- 0.18
MUFGS PER TABLE 1609.2A (FBC 2004) DESIGN WIND PRESSURES:	ROOF: - 23.1 PSF WALLS: + 26.6 PSF EAVES: + 32.3 PSF
COMPONENTS & CLADDING PER TABLES 1609.2B & 1609.2C (FBC 2004) DESIGN WIND PRESSURES:	OPNGS: + 21.8 / - 29.1 PSF EAVES: - 68.3 PSF ROOF: + 19.9 / - 25.5 PSF

### TYPE OF CONSTRUCTION

Roof: Gable Construction, Wood Trusses @ 24" O  
Walls: 2x4 Wood Studs @ 16" O.C.  
Floor: 4" THK Concrete Slab w/ Fibermesh Concrete Additive  
Foundation: Continuous Footer/Stem Wall

### ROOF DECKING

Material: 5/8" CDX Plywood or 5/8" OSB.  
Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing  
Fasteners: See Nail Schedule on Sheet A10

### SHEARWALLS

Material: 7/16" OSB, "WindSTORY" Sheathing, See Sht. A8  
Sheet Size: 48"x109" Sheets Placed Vertical  
Fasteners: 8d Common Nails, See Detail on Sht. A8  
Dragstrut: Double Top Plate (STP) w/16d Nails @ 12" O.C.  
Wall Studs: 2x4 Hem Fir Studs @ 16" O.C.

### HURRICANE UPLIFT CONNECTORS

Truss to Wall @ House: "SIMPSON" H25A @ Ea. Truss End  
Truss to Wall @ Porch: "SIMPSON" H25A @ Ea. Truss  
Truss Wheel to Wall: "SIMPSON" H25A @ Ea. Truss  
Anchor Bolts: Header to King Studs: "SIMPSON" 5172  
Plate to Stud: "SIMPSON" 5172  
Stud to Sill: "SIMPSON" 5171  
Misc. Joints: "SIMPSON" A34  
Column to Beam (Porches): "SIMPSON" PC46  
Column to Beam (Garport): See DETAIL 1" Sht. A6  
Column to Base: "SIMPSON" ABU66  
Anchor Bolts: Anchor Bolts: 1/2" A307 Bolts @ 48" O.C.  
Corner Hold-down Device: "All Thread" Shearwalls, See  
Detail Sht. A8

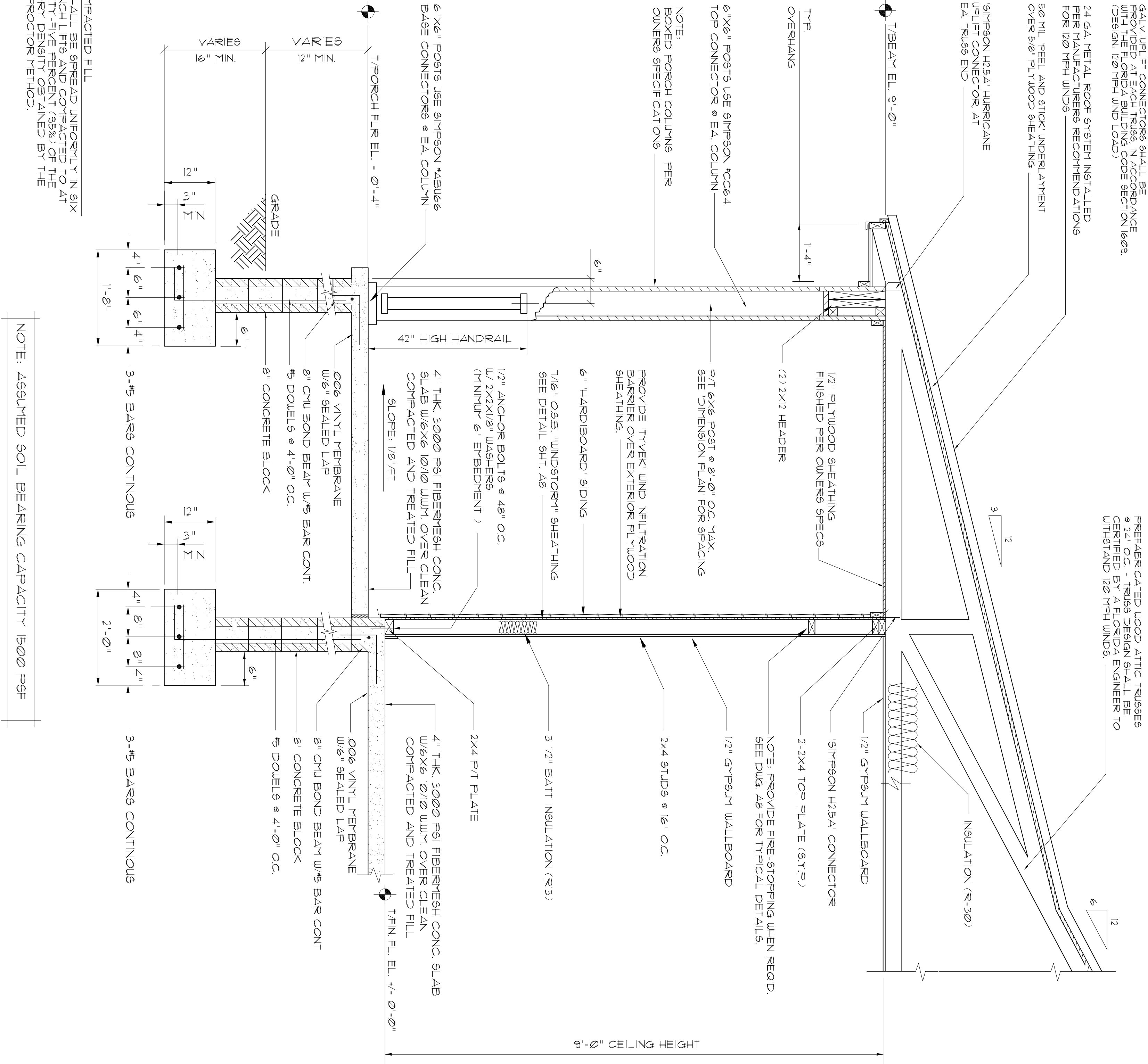
### FOUNDATIONS AND FOUNDATIONS

House Ftg.: 20"x12" w/3-#5 Bars Cont. On Wire Chairs @ 48" O.C.  
Garport Ftg.: 16"x16" Handl'ing w/2-#5 Bars Cont. On Wire Chairs @ 48" O.C.  
Stemwall: 8" CMU w/1-#5 Vertical Dowel @ 48" O.C.

ALL WIND LOADS ARE IN ACCORDANCE WITH SECTION 1609,  
FLORIDA BUILDING CODE, 2017 EDITION.

NOTE: ROOF RIDGE TO HAVE  
A CONTINUOUS RIDGE VENT

PRE-FABRICATED WOOD ATTIC TRUSSES  
@ 24" O.C. - TRUSSES SHALL BE TO  
CERTIFIED BY A FLORIDA ENGINEER TO  
WITHSTAND 120 MPH WINDS.



CLEAN COMPACTED FILL  
ALL FILL SHALL BE SPREAD UNIFORMLY IN SIX  
TO EIGHT INCH LIFTS AND COMPACTED TO AT  
LEAST NINETY-FIVE PERCENT (95%) OF THE  
MAXIMUM DRY DENSITY OBTAINED BY THE  
MODIFIED PROCTOR METHOD.

NOTE: ASSUMED SOIL BEARING CAPACITY 1500 PSF

## Partial Building Section K

SCALE 3/4" = 1'-0"

WALL SECTION AT FRONT PORCH