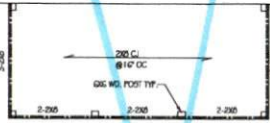
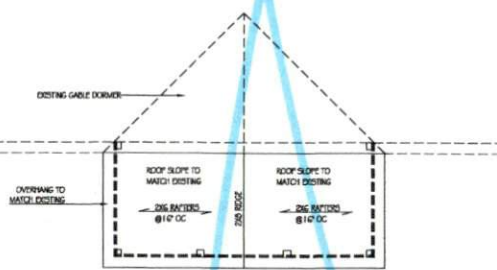


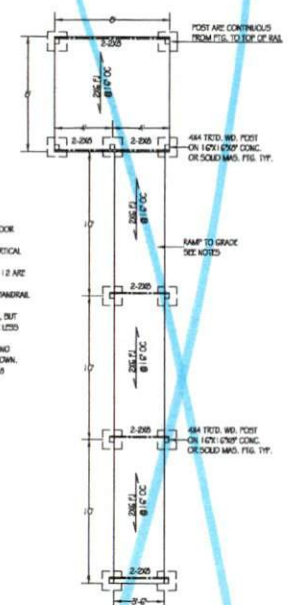
COVERED FRONT PORCH FOUNDATION PLAN
SCALE: 1/4" = 1'



COVERED FRONT PORCH FIRST FLOOR STRUCTURAL PLAN
SCALE: 1/4" = 1'



COVERED FRONT PORCH ROOF STRUCTURAL PLAN
SCALE: 1/4" = 1'



SIDE DECK / RAMP FOUNDATION PLAN
SCALE: 1/4" = 1'

- RAMP NOTES:
1. RAMP IS NOT INSTALLED ON THE EXISTING DOOR REQUIRED BY R311.2.
 2. RAMP SLOPE SHALL NOT EXCEED 1 UNIT VERTICAL IN 8 UNITS HORIZONTAL.
 3. RAMP WITH A SLOPE NOT EXCEEDING 1 IN 12 ARE NOT REQUIRED TO HAVE HANDRAILS.
 4. RAMP EXCEEDING 1 IN 12 SHALL HAVE A HANDRAIL ON ONE SIDE MINIMUM.
 5. RAMP WIDTH SHALL NOT BE LESS THAN 36", BUT DISTANCE BETWEEN HANDRAILS SHALL NOT BE LESS THAN 36".
 6. LENGTH OF RAMP SHALL BE SIZED ADAPTED, NO STRUCTURAL SPANS SHALL EXCEED THOSE SHOWN.
 7. RAMP SHALL CONFORM TO SECTION R311.5 OF NC RESIDENTIAL CODE, 2015 EDITION.

- STRUCTURAL NOTES:
1. DESIGN SOIL BEARING CAPACITY 2000PSF
 2. CONCRETE SHALL HAVE A 28 DAY DESIGN COMPRESSIVE STRENGTH OF 3000PSI.
 3. BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BE 1/2" BELOW FINISHED GRADE.
 4. FOOTINGS SHALL BE EITHER CONCRETE OR SOLID MASONRY, UNLESS NOTED OTHERWISE.
 5. FRAMING LUMBER SHALL BE #2SPF OR #2TY UNLESS SPECIFICALLY NOTED OTHERWISE FOR MEMBRAL, MEMBERS.
 6. UNLIMITED HEMLOCK LUMBER BEAMS, E.L.C. SHALL HAVE THE FOLLOWING PROPERTIES, F_b=2550PSI, F_v=305PSI, E=2.0E6.
 7. DECK BRACKETS SHALL BE EITHER IN DIRECT BEARING OR SHALL BE BOLTED TO THE SIDE OF THE SUPPORT POSTS WITH TWO 3/8" GALVANIZED MACHINE OR CARBIDE BOLT WITH NUT AND WASHER.
 8. DECK SHALL BE LATERALLY BRACED IN ACCORDANCE WITH SECTION AM-09, UNLESS NOTED OTHERWISE.
 9. DESIGN WIND SPEED: 115 MPH.
 10. ALL WORK SHALL CONFORM TO NC RESIDENTIAL CODE, 2015 EDITION.
 11. DIMENSIONS SHALL APPLY ONLY TO STRUCTURAL COMPONENTS.
 12. STRUCTURAL NOTES APPLY TO ALL SHEETS.
 13. ALL LUGS SHALL HAVE A MULTIPLE 2X4 STUD COLUMN OF AT LEAST THE SAME WIDTH AS THE BEAM BEING SUPPORTED.
 14. 16X16 CMF SOLID MASONRY FOOTINGS SHALL CONSIST OF FOUR INTERLACED, DRY STACKED, 4X8X16" SOLID MASONRY BLOCKS.

- DESIGN LOADS:
- ROOF: L=20PSF, D=10PSF
 - CEILING (RESTROOM): L=10PSF, D=10PSF
 - CEILING (MOAT STORAGE): L=10PSF, D=10PSF
 - FLOOR, LIVING SPACE: L=40PSF, D=10PSF
 - FLOOR, SLEEPING SPACE: L=30PSF, D=10PSF
 - WIND SPEED: 115 MPH
 - SOIL BEARING CAPACITY: 2000PSF



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TAC CONSTRUCTION
DECK / PORCH ADDITION
145 NICKS WAY
FLOUQUY VARIANA, NC

DATE: 02/22/2022
ADAM HARRIS-29-22
WP
02/22/2022