

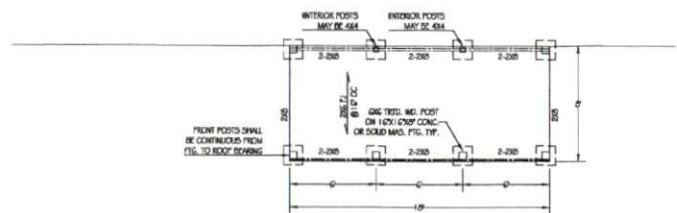


PERSON ENGINEERING
 2110 W. HARRIS STREET
 WAYNESVILLE, NC 28786
 FIRM LICENSE NO. F-1440
 TEL: (628) 400-3193

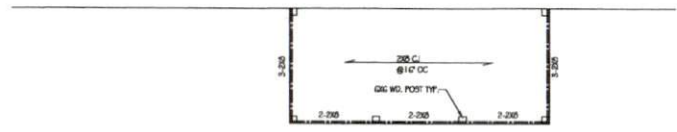
TAC CONSTRUCTION
 615 N. HICKORY AVE. ADDITION
 FLOUQUA/VARINA, NC

2000
 ADAM HARTPERS 25-22
 WP
 02/20/22

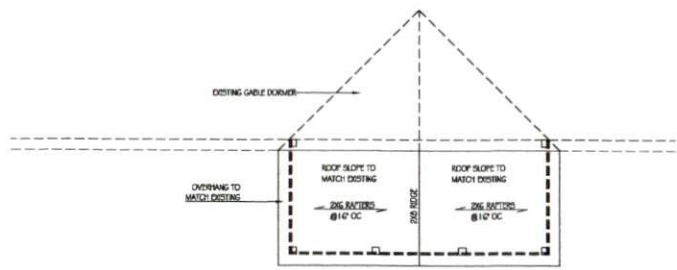
52



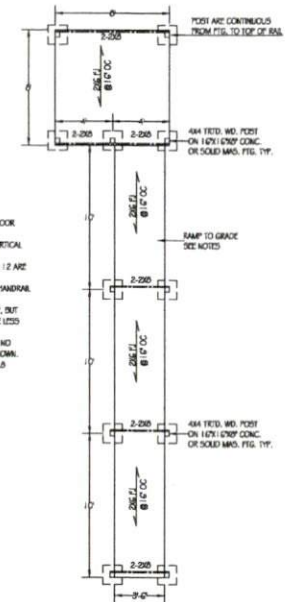
COVERED FRONT PORCH FOUNDATION PLAN
 SCALE: 1/4" = 1'



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 EXTERIOR DOOR REQUIRED BY RES 1.2.
 2. RAMP SLOPE SHALL NOT EXCEED 1 UNIT VERTICAL IN 8 UNITS HORIZONTAL.
 3. RAMPS WITH A SLOPE NOT EXCEEDING 1 IN 12 ARE NOT REQUIRED TO HAVE HANDRAILS.
 4. RAMPS 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 SET ADAPTED, NO STRUCTURAL SPANS SHALL EXCEED THOSE SHOWN.
 7. RAMP SHALL CONFORM TO SECTION R11.5 OF NC RESIDENTIAL CODE, 2018 EDITION.

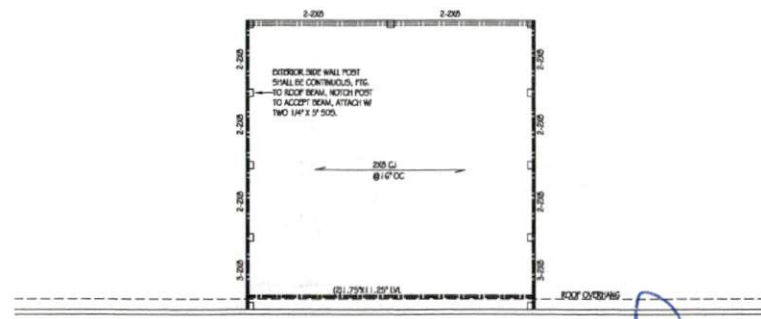
- STRUCTURAL NOTES:
1. DESIGN SOIL BEARING CAPACITY 3000PSF.
 2. CONCRETE SHALL HAVE A 28 DAY DESIGN COMPRESSIVE STRENGTH OF 3000PSI.
 3. BOTTOMS OF ALL EXTERIOR FOOTINGS SHALL BE 12" BELOW FINISHED GRADE.
 4. FOOTINGS SHALL BE EITHER CONCRETE OR SOLID MASONRY, UNLESS NOTED OTHERWISE.
 5. FRAMING LAMBER SHALL BE #2SPF OR #1SPF UNLESS SPECIFICALLY NOTED OTHERWISE FOR INDIVIDUAL MEMBERS.
 6. LAMINATED VENEER LAMBER BEAMS, LVL, SHALL HAVE THE FOLLOWING PROPERTIES: F_b=2550PSI, F_v=2550PSI, E=2.0E6.
 7. DECK GIRDERS SHALL BE EITHER IN DIRECT BEARING OR SHALL BE BOLTED TO THE SIDE OF THE SUPPORT POSTS WITH TWO 3/8" GALVANIZED MACHINE OR CARTRIDGE BOLT WITH NUT AND WASHER.
 8. DECKS SHALL BE LATERALLY BRACED IN ACCORDANCE WITH SECTION AM 108, UNLESS NOTED OTHERWISE.
 9. DESIGN WIND SPEED 115 MPH.
 10. ALL WORK SHALL CONFORM TO NC RESIDENTIAL CODE, 2018 EDITION.
 11. ENGINEER SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS.
 12. STRUCTURAL NOTES APPLY TO ALL SHEETS.
 13. ALL LVLs SHALL HAVE A MULTIPLE 2X4 STUD COLUMN OF AT LEAST THE SAME WIDTH AS THE BEAM BEING SUPPORTED.
 14. LVLs (EXCEPT SOLID MASONRY FOOTINGS) SHALL CONSIST OF FOUR INTERLACED, DRY STACKED, #2X12" SOLID MASONRY BLOCKS.

- DESIGN LOADS:
- ROOF: U=20PSF, D=10PSF
 - CEILING: W=10PSF, U=20PSF, D=10PSF
 - CEILING MECH STORAGE: U=10PSF, D=10PSF
 - FLOOR: LIVING SPACE: U=40PSF, D=10PSF
 - FLOOR: SLEEPING SPACE: U=30PSF, D=10PSF
 - WIND SPEED: 115 MPH
 - SOIL BEARING CAPACITY: 3000PSF

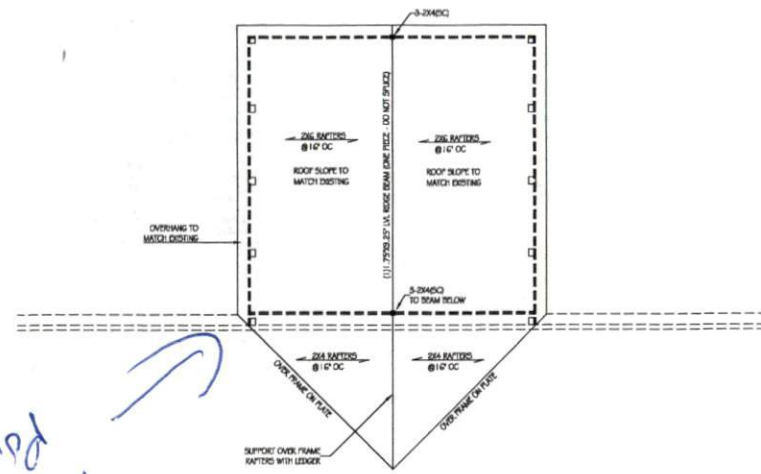
W.A. PERSON



PERSON ENGINEERING
213 HUGH MASSIE RD.
WAYNESVILLE, NC 28786
FIRM LICENSE NO. F-1440
TEL: (919) 400-3193

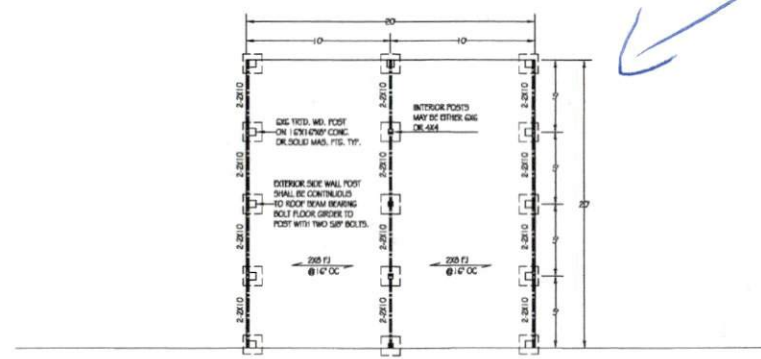


SCREEN PORCH
FIRST FLOOR STRUCTURAL PLAN
SCALE: 1/8" = 1'

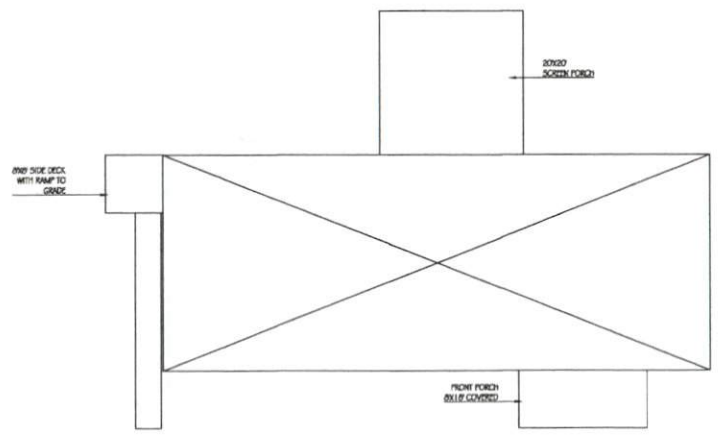


SCREEN PORCH
ROOF STRUCTURAL PLAN
SCALE: 1/8" = 1'

Future Porch



SCREEN PORCH
FOUNDATION PLAN
SCALE: 1/8" = 1'



SITE PLAN
SCALE: 1/8" = 1'

TAC CONSTRUCTION
1545 N. HARRIS AVE. SUITE 100
FLOUJAY, VIRGINIA, NC

ASAC
ADAM PAPERB-23-22
PROJECT NUMBER:
WP
DATE: 02/24/2022

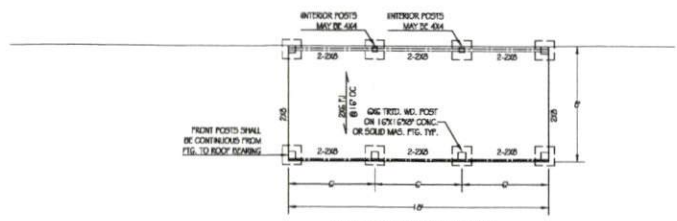
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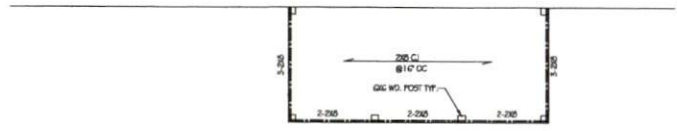
PERSON ENGINEERING
 1000 W. HARRIS BLVD. SUITE 100
 WAINWRIGHT, NC 28776
 FIRM LICENSE NO. F-1440
 TEL: (828) 400-3193

TAC CONSTRUCTION
 1000 W. HARRIS BLVD. SUITE 100
 WAINWRIGHT, NC 28776
 FIRM LICENSE NO. F-1440

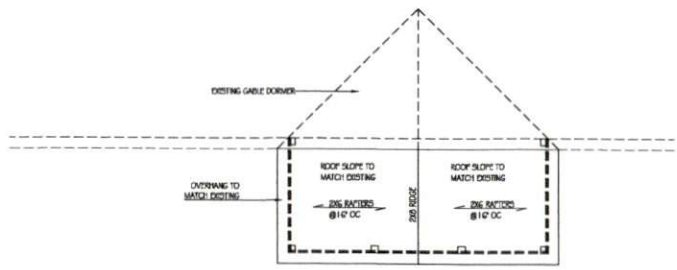
DATE: 02/27/22
 DRAWN BY: WAP



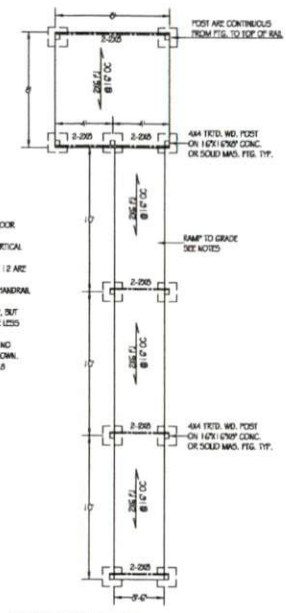
COVERED FRONT PORCH FOUNDATION PLAN
 SCALE: 1/4" = 1'



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 EXCESS DOOR REQUIRED BY R311.2.
 2. RAMP SLOPE SHALL NOT EXCEED 1 UNIT VERTICAL IN 8 UNITS HORIZONTAL.
 3. RAMPS WITH A SLOPE NOT EXCEEDING 1 IN 12 ARE NOT REQUIRED TO HAVE HANDRAILS.
 4. RAMPS 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 30".
 6. LENGTH OF RAMP SHALL BE SET AS APPLIED, NO STRUCTURAL SPANS SHALL EXCEED THOSE SHOWN.
 7. RAMP SHALL CONFORM TO SECTION R311.5 OF NC RESIDENTIAL CODE, 2018 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 12" BELOW FINISHED GRADE.
 4. FOOTINGS SHALL BE EITHER CONCRETE OR SOLID MASONRY, UNLESS NOTED OTHERWISE.
 5. TRUSSING LUMBER SHALL BE #2SPF OR #2SPF UNLESS SPECIFICALLY NOTED OTHERWISE FOR INDIVIDUAL MEMBERS.
 6. LAMINATED VENEER LUMBER BEAMS, LVL, SHALL HAVE THE FOLLOWING PROPERTIES: F_x=2850PSI, F_y=2850PSI, E=2.0E6.
 7. DECK GIRDERS SHALL BE EITHER IN DIRECT BRACING OR SHALL BE NOTED TO THE SIDE OF THE SUPPORT POSTS WITH TWO 3/8" GALVANIZED MACHINE OR CARTRIDGE BOLT WITH NUT AND WASHER.
 8. GIRDERS SHALL BE LATERALLY BRACED IN ACCORDANCE WITH SECTION AM 109, UNLESS NOTED OTHERWISE.
 9. DESIGN WIND SPEED 115 MPH.
 10. ALL HOLES SHALL CONFORM TO NC RESIDENTIAL CODE, 2018 EDITION.
 11. ENGINEER'S SEAL APPLIED ONLY TO STRUCTURAL COMPONENTS.
 12. STRUCTURAL NOTES APPLY TO ALL SHEETS.
 13. ALL DLTS SHALL HAVE A MULTIPLE 2M4 STUD COLUMN OF AT LEAST THE SAME WIDTH AS THE DEAM BEING SUPPORTED.
 14. 12"X12" DRY STACK MASONRY FOOTINGS SHALL CONSIST OF FOUR INTERLACED, DRY STACKED, 4"X9"X12" SOLID MASONRY BLOCKS.

- DESIGN LOADS:
- ROOF: LL=20PSF, DL=10PSF
 - CEILING: W/STORAGE LL=20PSF, DL=10PSF
 - CEILING: NO W/STORAGE LL=10PSF, DL=10PSF
 - FLOOR: LIVING SPACE LL=40PSF, DL=10PSF
 - FLOOR: SLEEPING SPACE LL=30PSF, DL=10PSF
 - WIND SPEED: 115 MPH
 - SOIL BEARING CAPACITY: 2000PSF