

THIS PLAN IS DESIGNED TO MEET THE REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION

DATE:

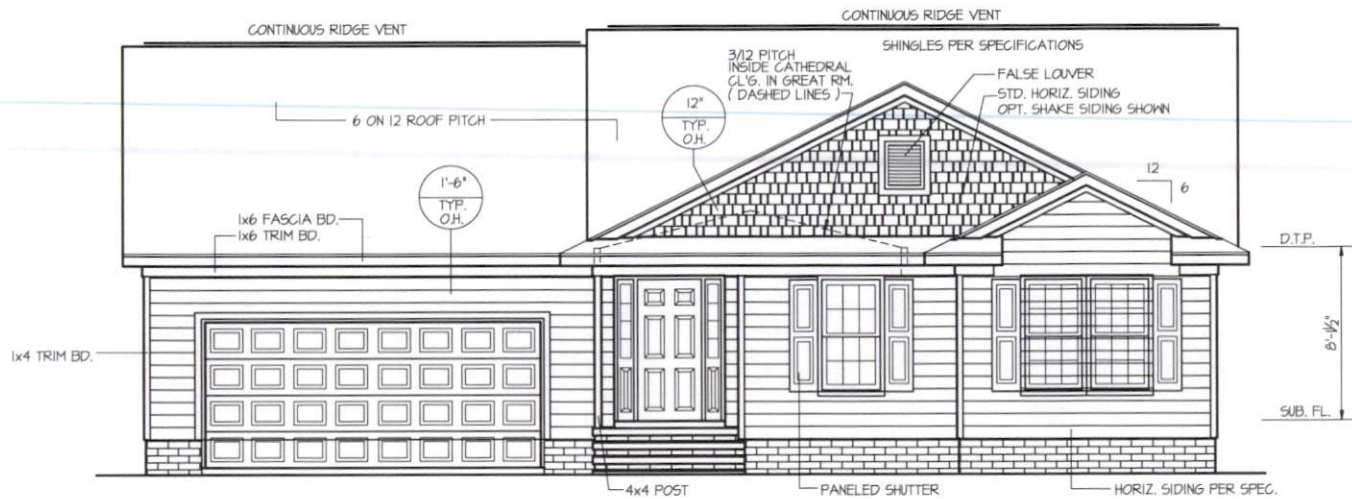
NOV. 26, 2024

FREEDOM FAMILY HOMES

P.O. BOX 608
DUNN, N.C. - 28335
O: (910) 892-1231 FAX: (910) 892-5680
© 2024, FREEDOM FAMILY HOMES



EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES
ALEXANDER ~ MERCALDO

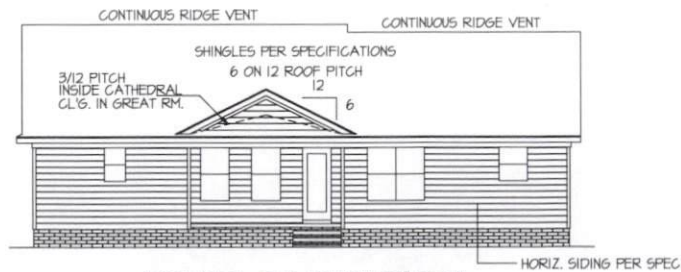


FRONT ELEVATION
SCALE: 1/4" = 1'-0"

INSULATION and FENESTRATION REQUIREMENTS		
CLIMATE ZONE	ZONE-3	ZONE-4
FENESTRATION U-FACTOR	0.35	0.35
GLAZED FENESTRATION SHGC	0.30	0.30
MINIMUM CEILING R-VALUE	R-36	R-36
MINIMUM WALL R-VALUE	R-15, (3+2.5)	R-15, (3+2.5)
MINIMUM FLOOR R-VALUE	R-14	R-14
MIN. CRAWL SPACE WALL R-VALUE	5/3	10/15
MIN. SLAB R-VALUE	0	R-10

PROVIDE STEPS AS REQUIRED
GRADE MAY VARY - BUILDER TO VERIFY

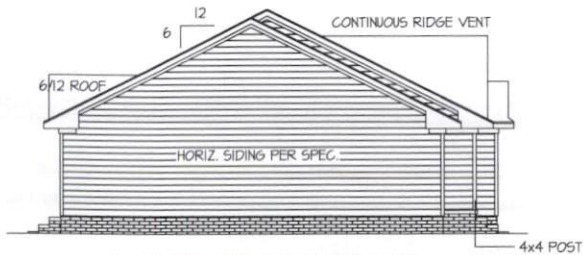
ALL EXTERIOR WALLS TO BE SHEATHED WITH CS-MSP (1/16" OSB) IN ACCORDANCE WITH SECTION R602.10.3 UNLESS OTHERWISE NOTED.



REAR ELEVATION
SCALE: 1/8" = 1'-0"

WIND ZONES (PER TABLE R301.2(4))	
COUNTY	MPH
HARNETT	120
JOHNSTON	120
SAMPSON	130
WAKE	115

ROOF VENTILATION REQ'MENTS.
1911 ATTIC SQ. FT. / 300 = 6.37
PROVIDED ON PLAN
70 L.F. RIDGE VENT = 13.1
104 L.F. SOFFIT VENT = 6.5
TOTAL = 19.6 S.F. FREE NET AREA



LEFT ELEVATION
SCALE: 1/8" = 1'-0"



RIGHT ELEVATION
SCALE: 1/8" = 1'-0"

PLAN:

SHEET NO.

1

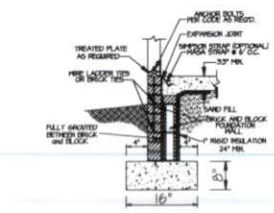
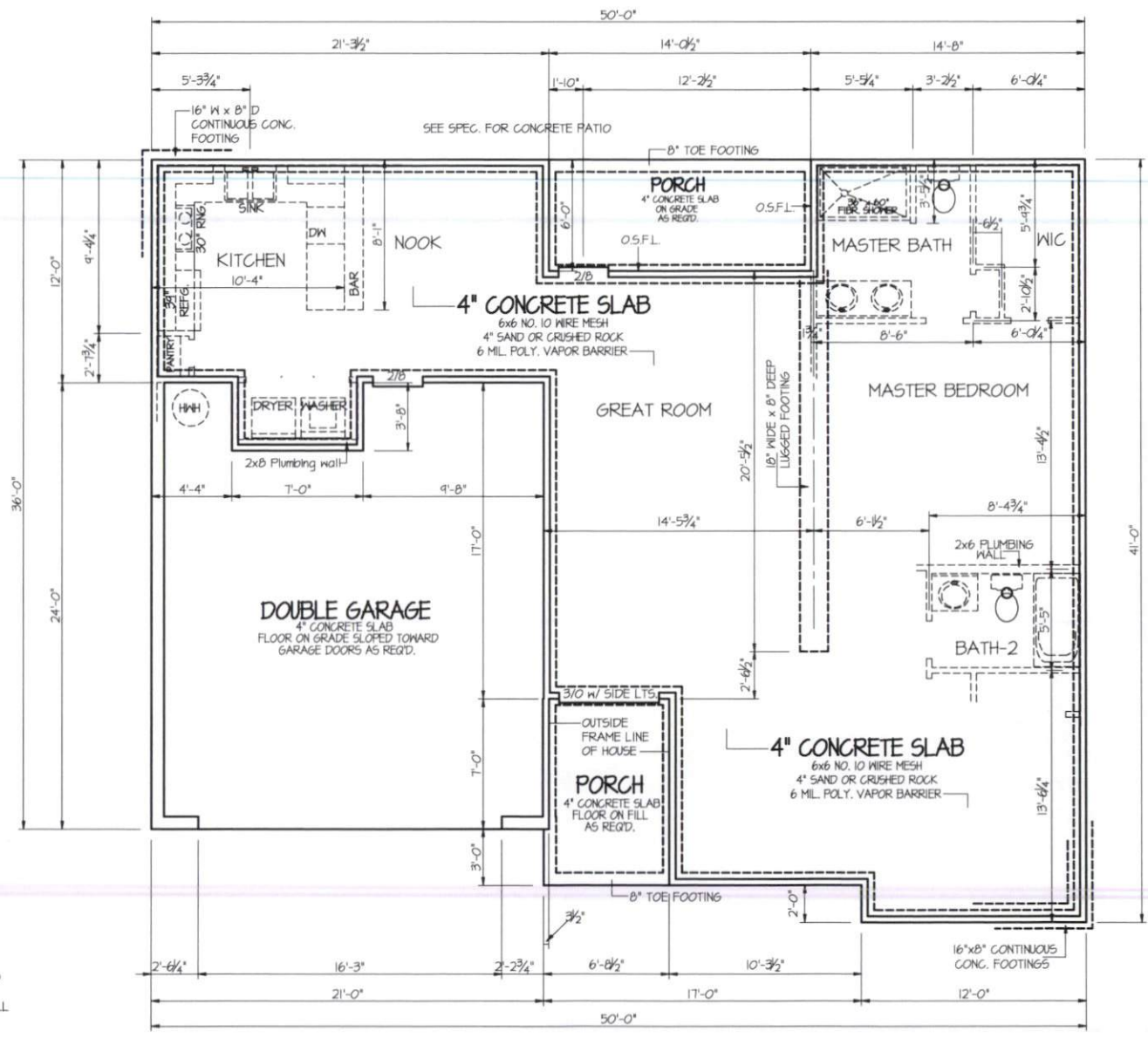
DATE:
DEC. 10, 2024
REVISION/SHOWER
DEC. 13, 2024

FREEDOM FAMILY HOMES
P.O. BOX 608
DUNN, N.C. - 28335
O: (910) 892-1231 FAX: (910) 892-5680
© 2024, FREEDOM FAMILY HOMES

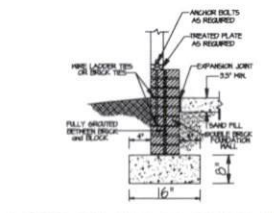


EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES
ALEXANDER ~ MERCALDO

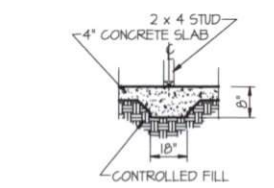
SHEET NO.
3s



TYP. SLAB @ EXT. WALL



TYP. SLAB @ GAR. WALL



LUGGED FOOTING

SLAB NOTES:
USE 4" CONCRETE SLAB ON FILL AS REQ'D.
TREAT SOIL FOR TERMITES AS REQ'D. BY LOCAL AND STATE CODES.
HOLD GARAGE SLAB 4" MIN. BELOW HOUSE SLAB.
SLOPE GARAGE SLAB FOR PROPER DRAINAGE.
PROVIDE STEPS TO GRADE.
PROVIDE HOSE BIBBS AS PER SPECIFICATIONS

FOUNDATION ANCHORAGE
THE WOOD SILL PLATE ON PERIMETER SHALL BE ANCHORED TO THE FOUNDATION WALLS WITH ANCHOR BOLTS SPACED A MAXIMUM OF 4' ON CENTER. ANCHOR BOLTS SHALL ALSO BE LOCATED WITHIN 12" FROM THE ENDS OF EACH PLATE SECTION. BOLTS SHALL BE AT LEAST 1/2" IN DIAMETER AND SHALL EXTEND A MINIMUM OF 15" INTO MASONRY OR CONCRETE.

N.C. SPECIFIC
CONCHECK OR ASHRAE 90.1
2013 CONCHECK SHALL BE PERMITTED
TO DEMONSTRATE COMPLIANCE
WITH THE N.C. 2018 ENERGY
CONSERVATION CODES.
(SECTION 640.2 (3))

STEM WALL SLAB
FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

COMPUTER FILED - "ALEXANDER-MERCALDO" - NOV.-2024