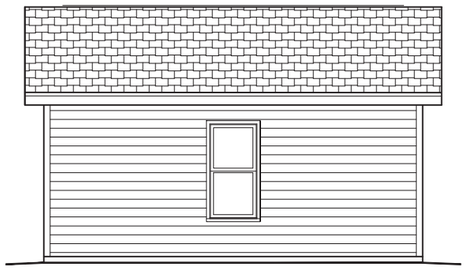
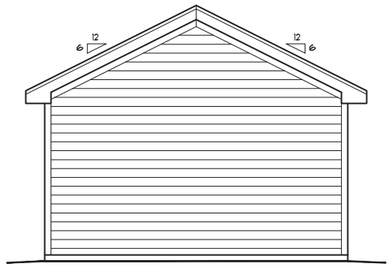
SQUARE FOOTAGE	
GARAGE:	320 SQ. FT.

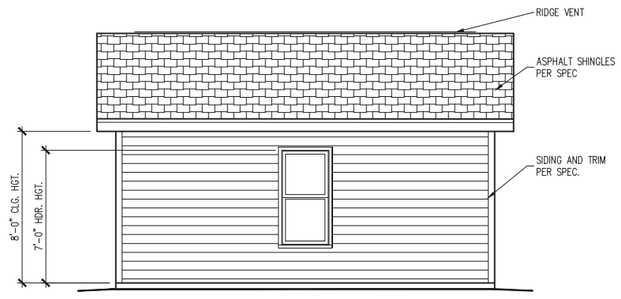
FRONT ELEVATION



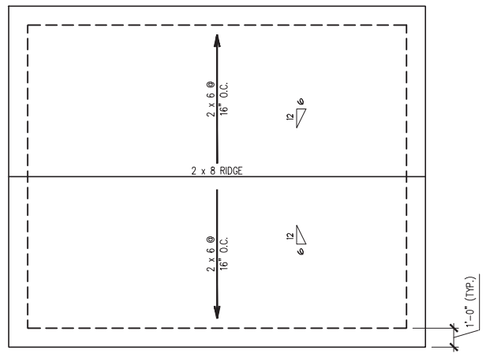
RIGHT ELEVATION



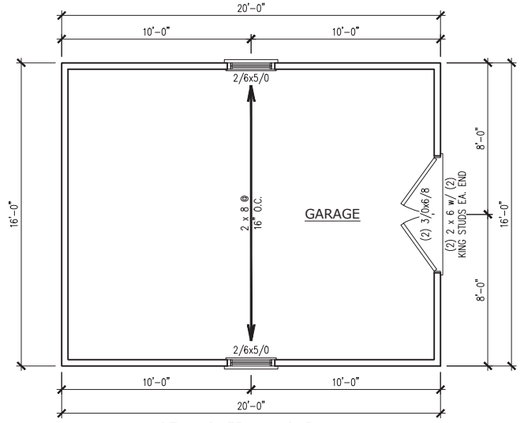
REAR ELEVATION



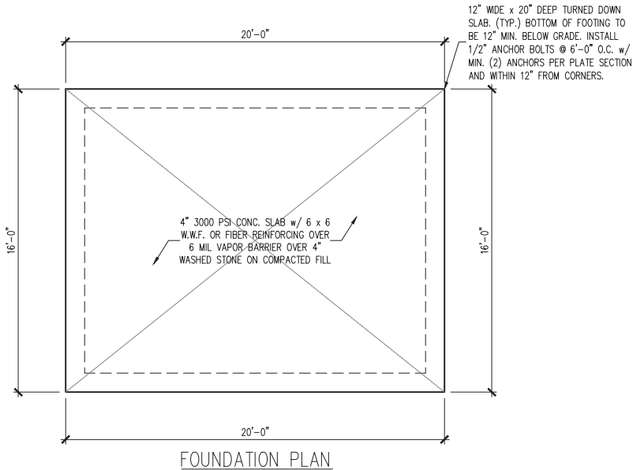
LEFT ELEVATION



ROOF FRAMING PLAN



CEILING FRAMING PLAN



FOUNDATION PLAN

CODE NOTES: 120 MPH ULTIMATE DESIGN WIND SPEED w/ MEAN ROOF HEIGHT LESS THAN 30':

1. ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT INCLUDING ROOF SYSTEM.
2. STRUCTURAL DESIGN PER NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION.
3. INSTALL 1/2" ANCHOR BOLTS 6'-0" O.C. AND WITHIN 1'-0" FROM END OF EACH CORNER. (MIN (2) ANCHORS PER PLATE SECTION.) ANCHOR BOLTS MUST EXTEND A MINIMUM OF 7" INTO MASONRY OR CONCRETE. LOCATE BOLT WITHIN MIDDLE THIRD OF PLATE WIDTH.
4. MEAN ROOF HEIGHT IS LESS THAN 30 FEET.
5. EXTERIOR WALLS DESIGNED FOR 120 MPH WINDS.
6. WALL CLADDING DESIGNED FOR +15.5 PSF AND −20 PSF (+/− INDICATE POSITIVE / NEGATIVE PRESSURE (TYP).
7. ROOF CLADDING DESIGNED FOR +14.2 PSF AND −18 PSF FOR ROOF PITCHES 7/12 TO 12/12 AND +10 PSF AND −36 PSF FOR ROOF PITCHED 2.25/12 TO 7/12.
8. INSTALL 7/16" OSB SHEATHING ON ALL SHEATHABLE SURFACES OF ALL EXTERIOR WALLS IN ACCORDANCE WITH SECTION R602.10.3 OF THE NCRC, 2018 EDITION.
9. ENERGY EFFICIENCY COMPLIANCE AND INSULATION VALUES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER 11 OF THE NCRC, 2018 EDITION.

STRUCTURAL FRAMING NOTES:

1. ALL FRAMING LUMBER TO BE SPF #2 (UNO). ALL TREATED LUMBER TO BE SYP #2 (UNO.)
2. ALL LOAD BEARING HEADERS TO BE (2) 2 x 6 (UNO).
3. WINDOW AND DOOR HEADERS TO BE SUPPORTED w/ (1) JACK STUD AND (1) KING STUD EA. END (UNO.)
4. BRACED WALL DESIGN PER SECTION R602.10 OF THE NCRC 2018 EDITION.
5. CONTRACTOR SHALL INSTALL 7/16" OSB ON ALL EXTERIOR WALLS ATTACHED w/ 8d NAILS SPACED 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD.
6. SHEATH ROOF w/ 7/16" OSB SHEATHING SECURED w/ 8d NAILS @ 6" O.C. ALONG EDGES AND 12" O.C. IN THE FIELD.
7. FOUNDATION DESIGN BASED ON A MINIMUM ALLOWABLE BEARING CAPACITY OF 2000 PSF. CONTACT ENGINEER IF ALLOWABLE BEARING CAPACITY CAN NOT BE ACHIEVED.

PREPARED UNDER THE SUPERVISION OF:

NORTH CAROLINA PROFESSIONAL SEAL 038485 ENGINEER JACOB ERNEST SMITH 12/7/2022

J. SMITH STRUCTURAL ENGINEERING, PLLC
1532 CONE AVE. • APEX, NC 27502
(919) 864-1430 • jsmithstructural@gmail.com
N.C. CERTIFICATE NUMBER: P-2212

DETACHED GARAGE
975 ROLLINS MILL ROAD
HOLLY SPRINGS, NC 27540
TRIANGLE HOME PROS, LLC.

DRAWN BY: THP

ENGINEERED BY: J. SMITH

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

DATE: 12-7-2022

SHEET: 1 OF: 1

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GARAGE PLANS