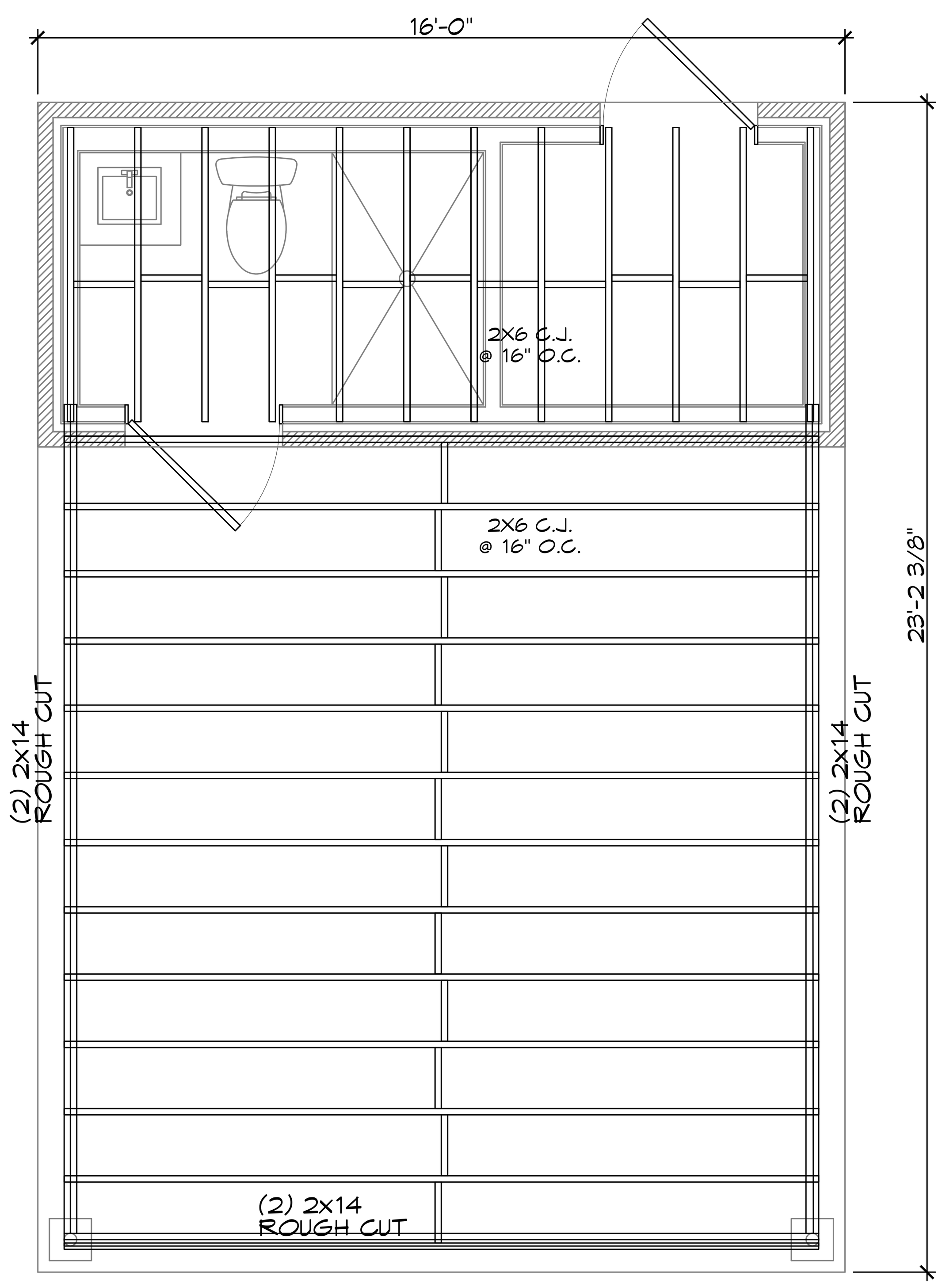
DESIGN CRITERIA

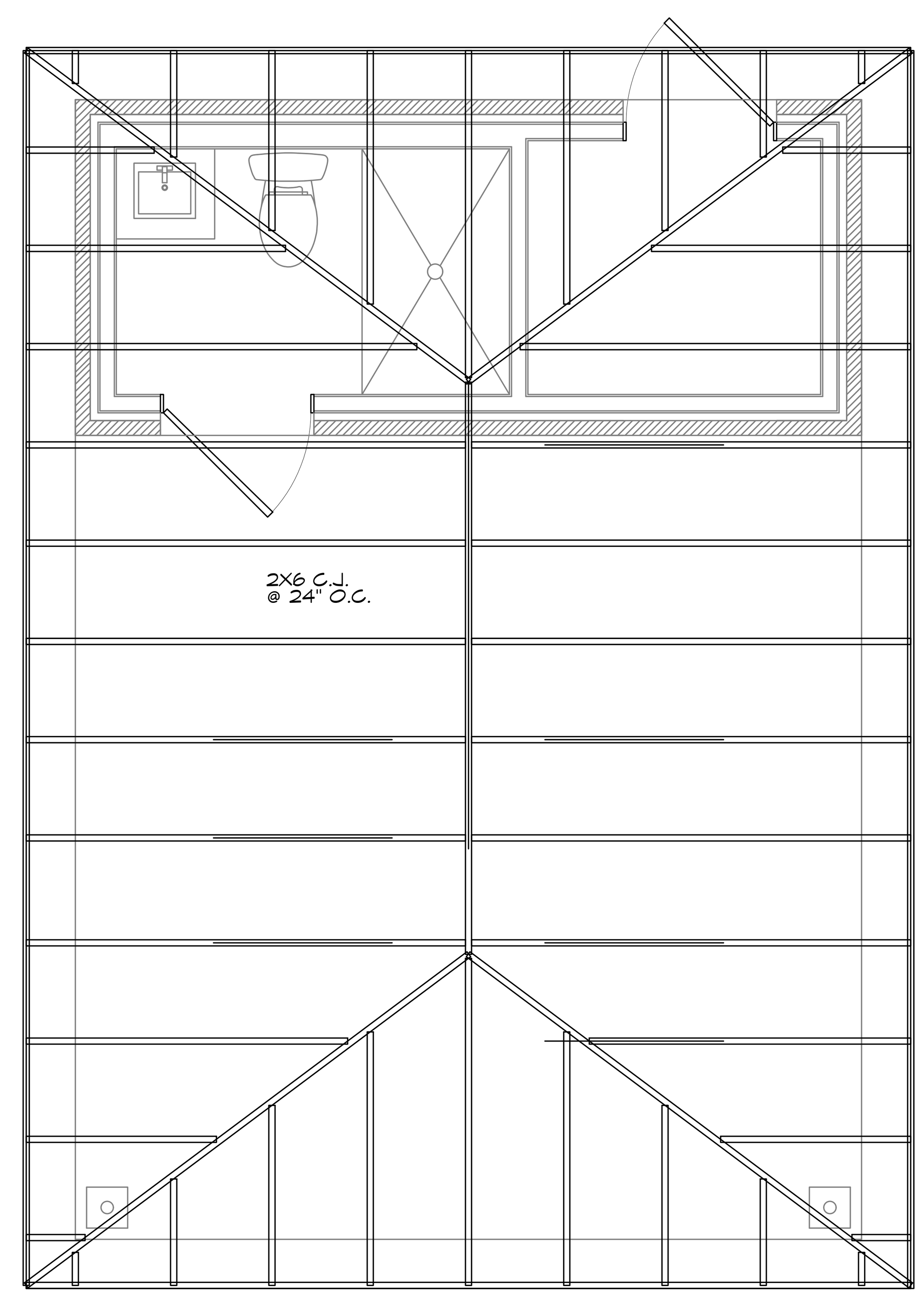
THE CONSTRUCTION FOR SAID RESIDENCE, WHERE Vult WIND SPEED IS 140 MILES PER HOUR AND Vasd WIND SPEED IS 130 MPH, WIND EXPOSURE ZONE C, IS DESIGNED IN ACCORDANCE WITH: AMERICAN FOREST AND PAPER ASSOCIATION (AF&PA) WOOD FRAME CONSTRUCTION MANUAL FOR ONE AND TWO FAMILY DWELLINGS (WFCM) 2001 EDITION AS WELL AS THE INTERNATIONAL RESIDENTIAL CODE (IRC) 2021 EDITION. STRUCTURE SHALL BE BUILT TO THE 2021 INTERNATIONAL ENERGY CONSERVATION CODE (2021 IECC) AND STATE AMENDMENTS ADOPTED JULY 1, 2023.

ROOF NOTES

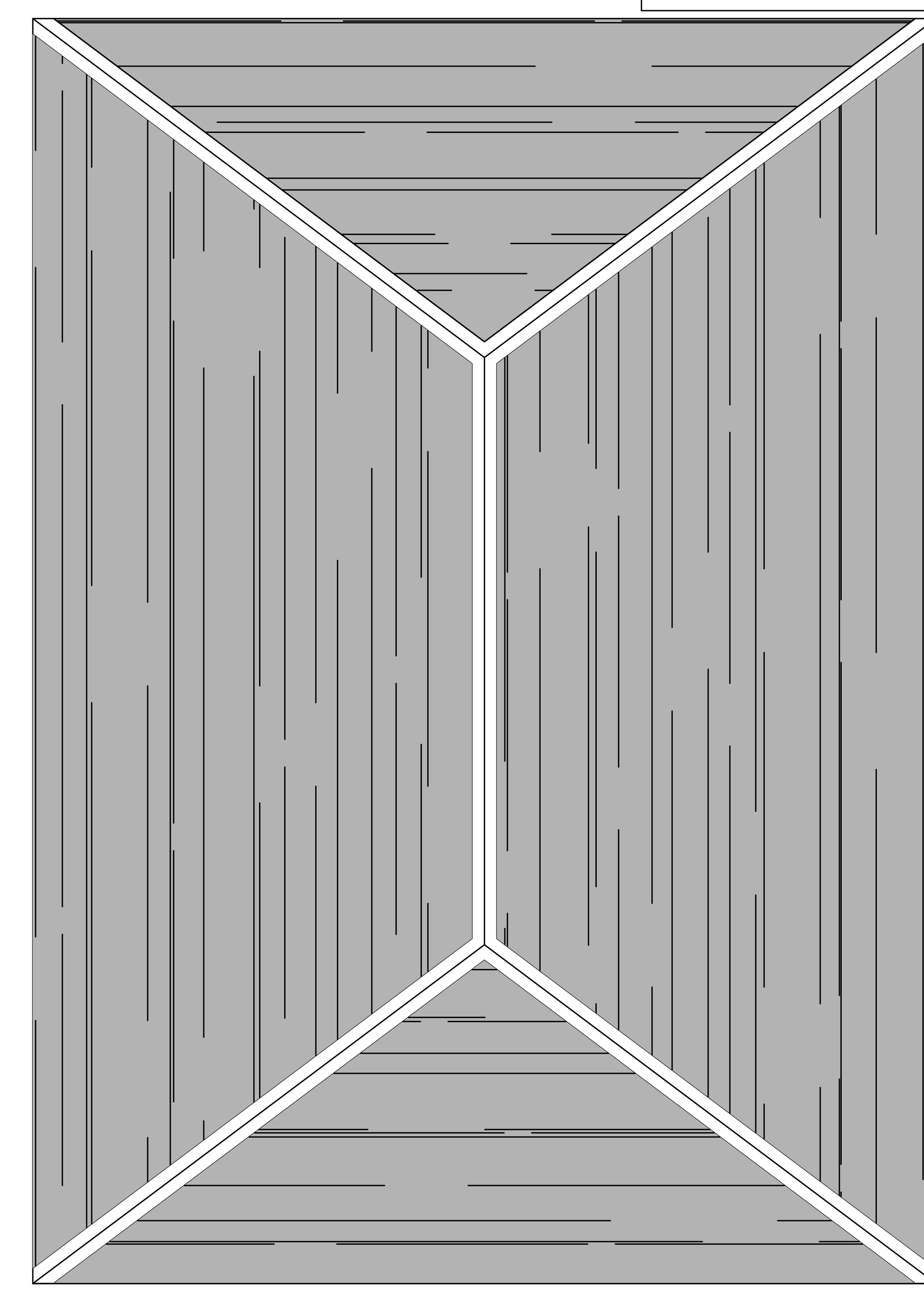
1. ALL JOIST SPANS,HEADERS AND GIRDERS REVIEWED AS #2 SOUTHERN YELLOW PINE.
2. ANY CHANGES IN THE SPECIES OR GRADE SHALL CONFORM TO THE APPROPRIATE SPAN TABLES, FLOOR JOIST CHAPTER 5, RAFTERS & CEILING JOIST CHAPTER 8, UNLESS NOTED ON THE CONSTRUCTION PLANS.
3. ALL JOIST, BEAMS, HEADERS, HIPS, VALLEYS, AND PURLINS SHALL BE SUPPORTED AND BRACED TO LOAD BEARING WALLS AS REQUIRED BY THE INTERNATIONAL RESIDENTIAL BUILDING CODE.
4. ALL SHALL BE SIZED FOR SPAN AND FOR ALL LOADS THAT WILL BE APPLIED.
5. CEILING JOISTS SPANS ARE BASED ON INTERNATIONAL RESIDENTIAL CODE (I.R.C.) SOUTHERN YELLOW PINE #2 LUMBER SPANS.
6. HEADER SIZES SHOULD BE BASED ON I.R.C. - TABLE R502.5
7. DESIGN AND LAYOUT OF TRIM JOISTS TO BE PROVIDED BY TRIM JOIST MANUFACTURER.
8. ALL LUMBER TO BE #2 SOUTHERN PINE.
9. TRIPLE UP ALL STUDS AT END OF BEAMS.



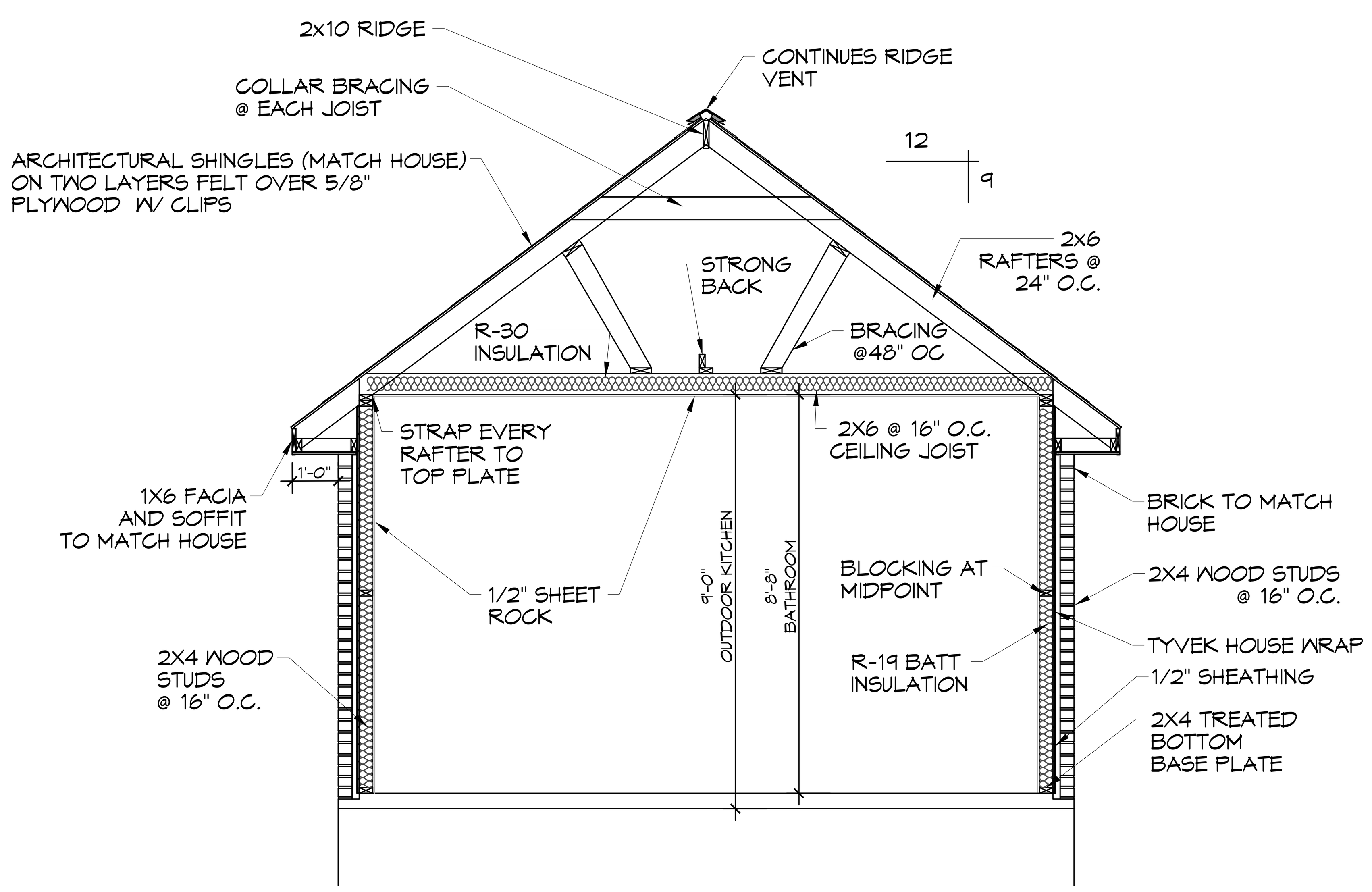
7 CEILING JOIST PLAN
SCALE: 3/8"= 1'-0"



8 ROOF RAFTER PLAN
SCALE: 3/8"= 1'-0"



9 ROOF PLAN
SCALE: 3/8"= 1'-0"



10 FRAMING SECTION
SCALE: 3/8"= 1'-0"

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REVISIONS

#	DESCRIPTION	DATE

SEAL:
STATE OF LOUISIANA
BRIAN A. MISTICH
License No. 30187
PROFESSIONAL ENGINEER

NEW POOL HOUSE
ELI ST. JULIEN
57636 MINEGRA ROAD
SLIDELL, LA 70460

JOB No:		DATE:	04-07-2025
DRAWN BY:	CKD	CHECKED BY:	BAM

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SHEET TITLE:
CEILING JOIST PLAN, ROOF RAFTER PLAN AND ROOF PLAN WITH SECTION

DRAWING NUMBER:
S102

SHEET No: 3 of 5