

ENERGY COMPLIANCE
 CLIMATE ZONE: 3A
 CHAPTER II ENERGY EFFICIENCY COMPLIANCE (CHECK ONE)
 PRESCRIPTIVE CODE

TOTAL GLAZING AREA: 150 SQUARE FEET
 CEILING INSULATION: R38
 WALL INSULATION: R15
 FLOOR INSULATION: R14 FOR CRAWL SPACE / R10 FOR SLAB

ATTIC VENT CALCULATIONS

ATTIC AREA: 1771 SF
 RIDGE VENTS*: 64 L.F. / 8 S.F. (50%)
 SOFFIT VENT*: 129 L.F. / 8 S.F. (50%)
 RATIO: $\frac{16}{1771} = \frac{1}{112}$

* CALCS BASED ON VENT FREE AREA OF 18 S.I. FOR RIDGE & 9 S.I. FOR SOFFIT

SUMMARY

PROJECT INFO
 NAME OF PROJECT: CL 2344
 PROJECT ADDRESS: TBD
 PROPOSED USE: RESIDENTIAL
 CONTACT: CAVINESS & GATES, INC
 CODE COMPLIANCE: 2018 NC STATE RESIDENTIAL BUILDING CODE
 MUNICIPALITY:
 DESIGNER: TODD TUCKER, AIBD, CPBD 910-366-2636

SPACE DATA:
 FIRST FLOOR: 1228 SF
 SECOND FLOOR: 1116 SF
 TOTAL HEATED: 2344 SF

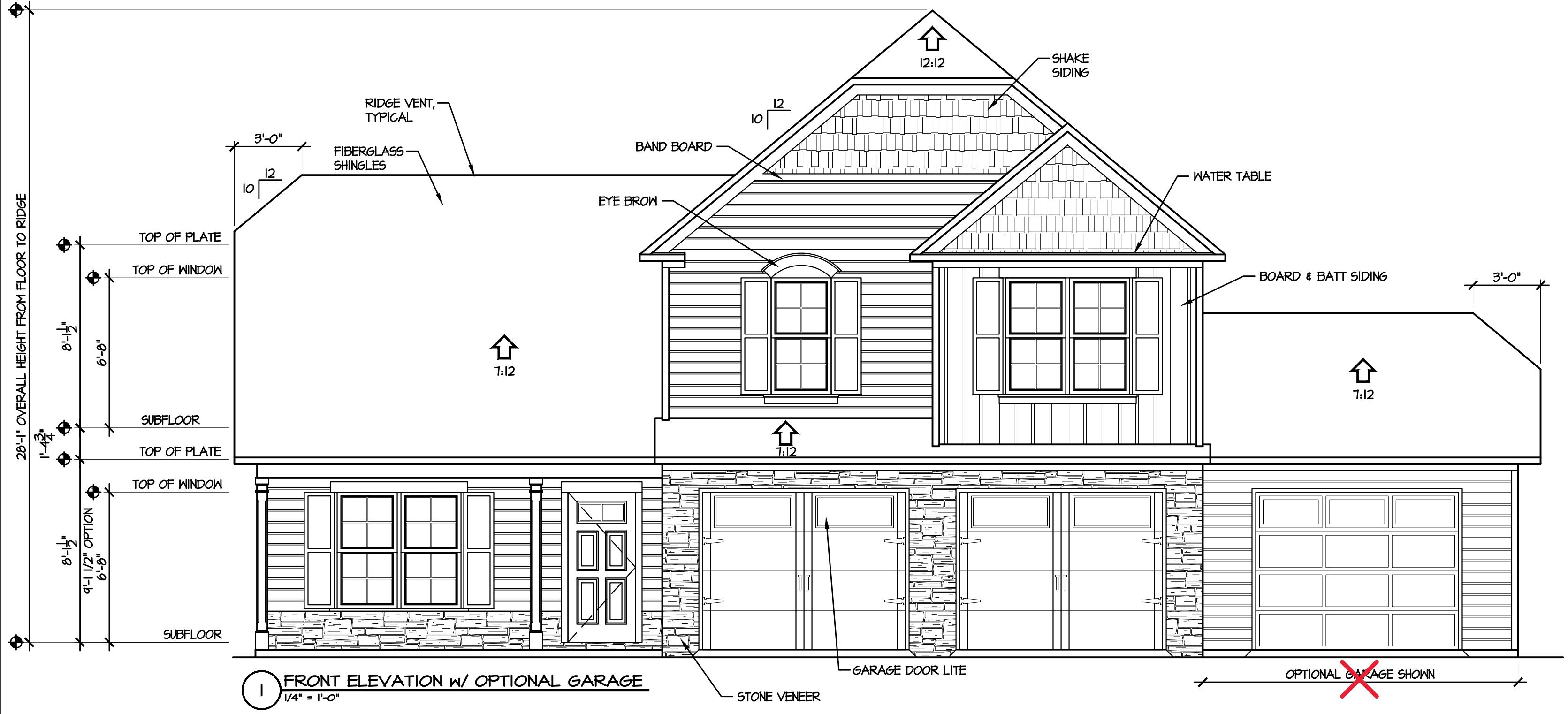
FRONT PORCH: 101 SF
 REAR PORCH: 144 SF
 GARAGES: 549 / 280 SF

OVERALL BUILDING HEIGHT 28'-10" WITH SLAB FOUNDATION

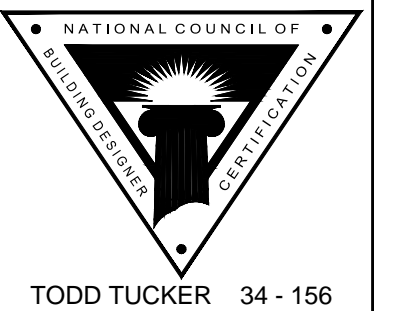
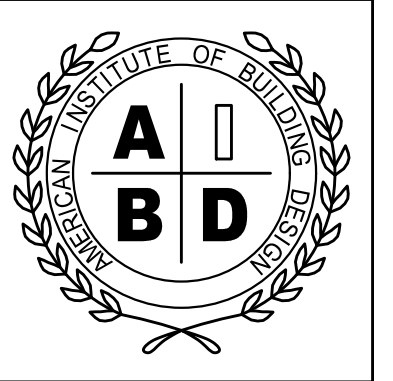
DESIGN LOADS
 ROOF LOADS: 20 PSF LIVE, 20 PSF DEAD
 ATTIC LOADS: 20 PSF LIVE, WHERE INDICATED (SEE TRUSS DWGS)
 FIRST FLOOR: 40 PSF LIVE, 10 PSF DEAD
 UPPER FLOORS: 30 PSF LIVE, 15 PSF DEAD
 WIND LOAD: FOR ASCE 7-10, RISK CATEGORY II, EXPOSURE "B"
 (SEE SEALED TRUSS DRAWINGS FOR WIND ZONE)
 ALL GARAGE PORTAL WALLS TO BE FRAMED WITH 2x6 STUDS

LIST OF SYMBOLS

SECTION SHEET		SECTION MARK		SLOPE UP PITCH
SECTION SHEET		DETAIL MARK		EARTH
	TITLE MARK		INSULATION	
	INTERIOR BEARING WALL		STANDARD WALL	



1 FRONT ELEVATION W/ OPTIONAL GARAGE
 1/4" = 1'-0"



TODD TUCKER 34 - 156

THE INFORMATION IN THESE CONSTRUCTION DOCUMENTS IS FOR THE EXCLUSIVE USE OF THE CLIENT IN CONSTRUCTION OF THE BUILDING DESCRIBED IN THE DOCUMENTS. THE DESIGNER HAS ATTEMPTED TO ESTABLISH AN ACCURATE SET OF CONSTRUCTION DOCUMENTS OF THE BUILDING BASED UPON THE CLIENT'S REQUIREMENTS AND THE LOCAL GOVERNING CODES. IF THE CLIENT OBSERVES OR BECOMES AWARE OF ANY FAULT OR DEFECT IN THE PROJECT OR NON-COMFORMANCE WITH THE CONSTRUCTION DOCUMENTS, PROMPT WRITTEN NOTICE SHALL BE GIVEN BY THE CLIENT TO THE DESIGNER. THE CLIENT SHALL HOLD HARMLESS THE DESIGNER FROM ALL ERRORS AND OMISSIONS PERTAINING TO THE DOCUMENTS RELATED TO THE PROJECT AND OTHER RELATED WORK AS REPRESENTED BY THE DESIGNER TO THE CLIENT.

Caviness Land

ELEVATIONS

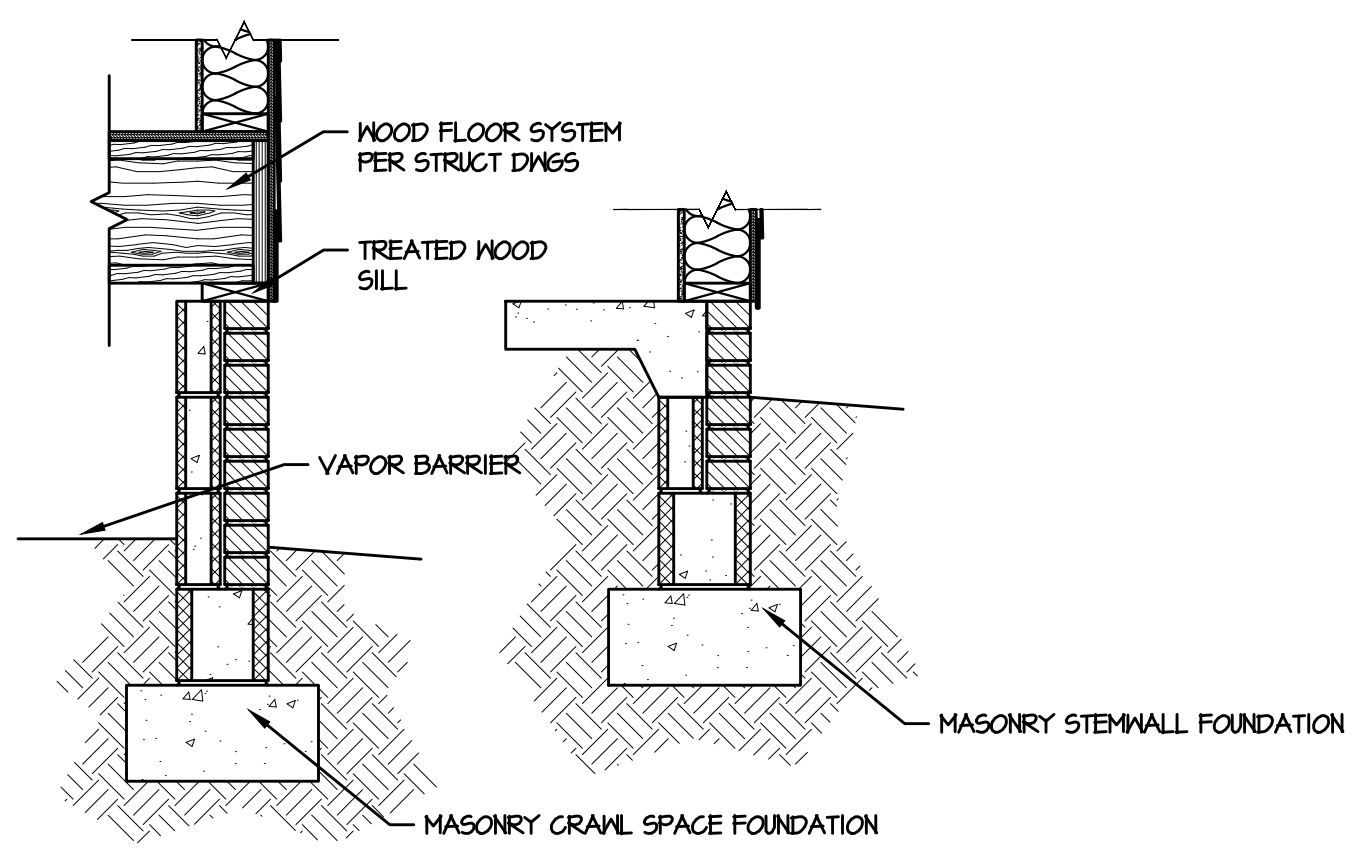
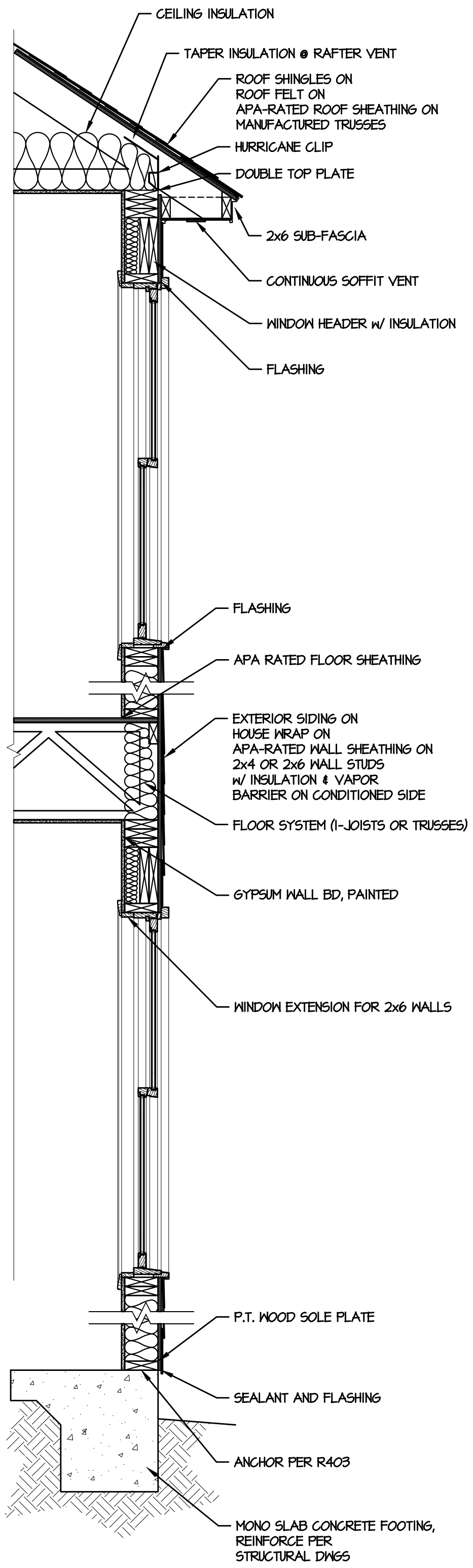
SHEET TITLE:

SCALE: AS NOTED

DATE: NOVEMBER 2012

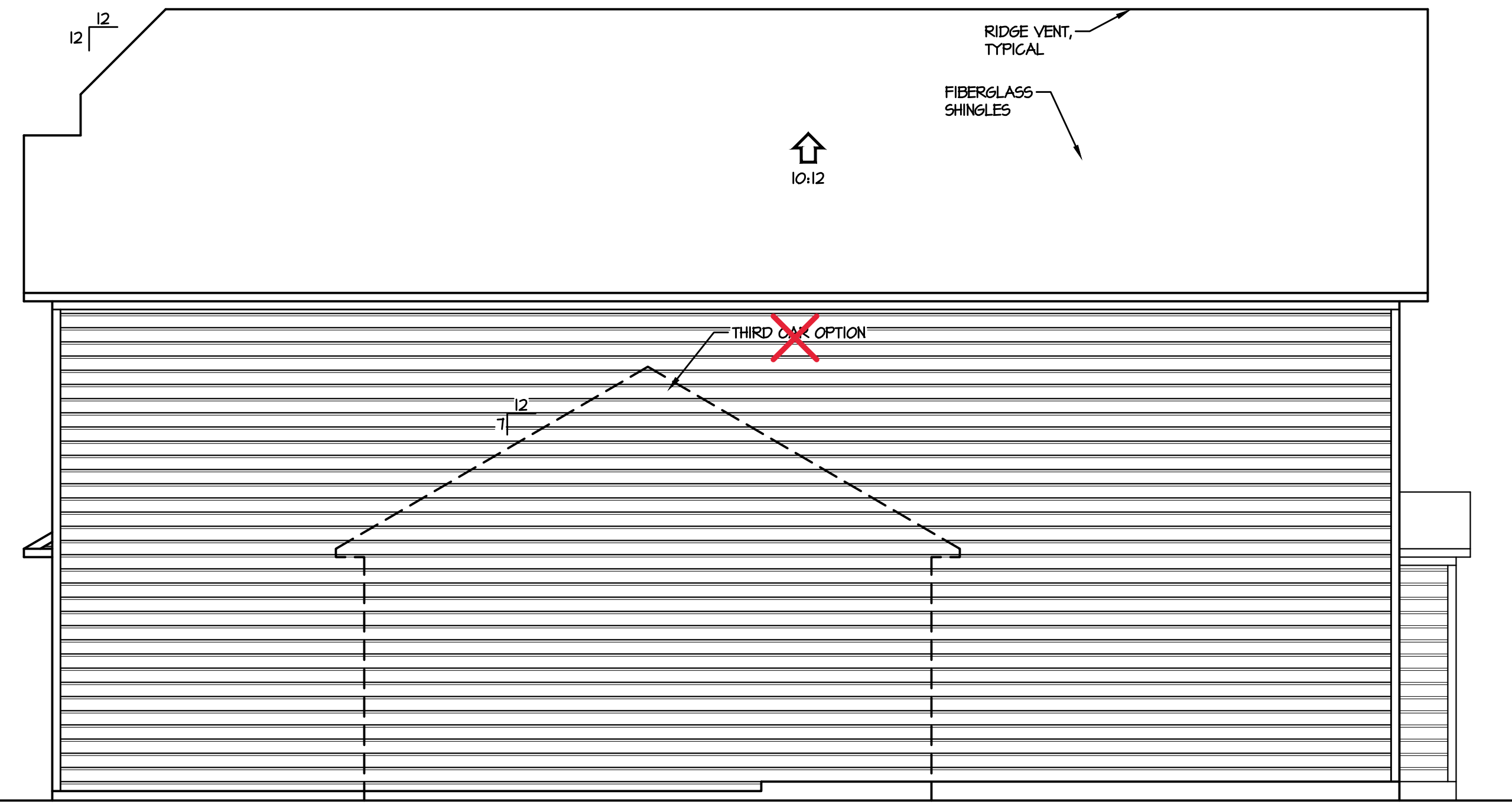
PLAN NO: CL 2344

SHEET NO: 1



R403.1.6 FOUNDATION ANCHORAGE.
 WOOD SILL PLATES AND WOOD WALLS SUPPORTED DIRECTLY ON CONTINUOUS FOUNDATIONS SHALL BE ANCHORED TO THE FOUNDATION IN ACCORDANCE WITH THIS SECTION. WOOD SOLE PLATES AT ALL EXTERIOR WALLS ON MONOLITHIC SLABS, WOOD SOLE PLATES OF BRACED WALL PANELS AT BUILDING INTERIORS ON MONOLITHIC SLABS AND ALL WOOD SILL PLATES SHALL BE ANCHORED TO THE FOUNDATION WITH MINIMUM 1/2-INCH-DIAMETER (12.7 MM) ANCHOR BOLTS SPACED A MAXIMUM OF 6 FEET (1829 MM) ON CENTER OR APPROVED ANCHORS OR ANCHOR STRAPS SPACED AS REQUIRED TO PROVIDE EQUIVALENT ANCHORAGE TO 1/2-INCH-DIAMETER (12.7 MM) ANCHOR BOLTS. BOLTS SHALL EXTEND A MINIMUM OF 7 INCHES (178 MM) INTO CONCRETE OR GROUTED CELLS OF MASONRY UNITS. THE BOLTS SHALL BE LOCATED IN THE MIDDLE THIRD OF THE WIDTH OF THE PLATE. A NUT AND WASHER SHALL BE TIGHTENED ON EACH ANCHOR BOLT. THERE SHALL BE A MINIMUM OF TWO BOLTS PER PLATE SECTION WITH ONE BOLT LOCATED NOT MORE THAN 12 INCHES (305 MM) FROM THE CORNER. INTERIOR BEARING WALL SOLE PLATES ON MONOLITHIC SLAB FOUNDATION THAT ARE NOT PART OF A BRACED WALL PANEL SHALL BE POSITIVELY ANCHORED WITH APPROVED FASTENERS.

(A) TYPICAL WALL SECTION
 3/4" = 1'-0" TWO STORY



(1) RIGHT ELEVATION
 1/4" = 1'-0"

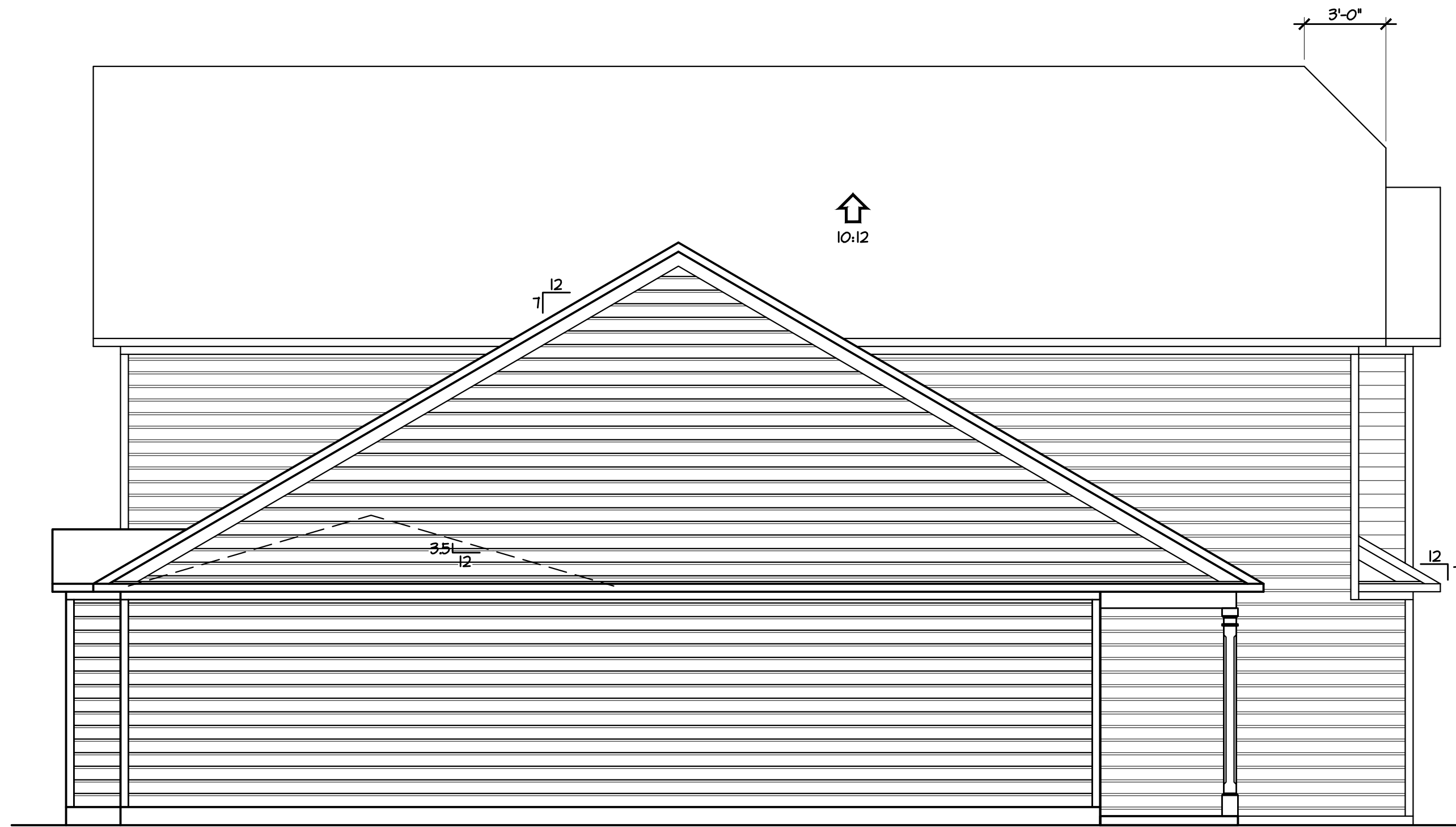
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SCALE: AS NOTED

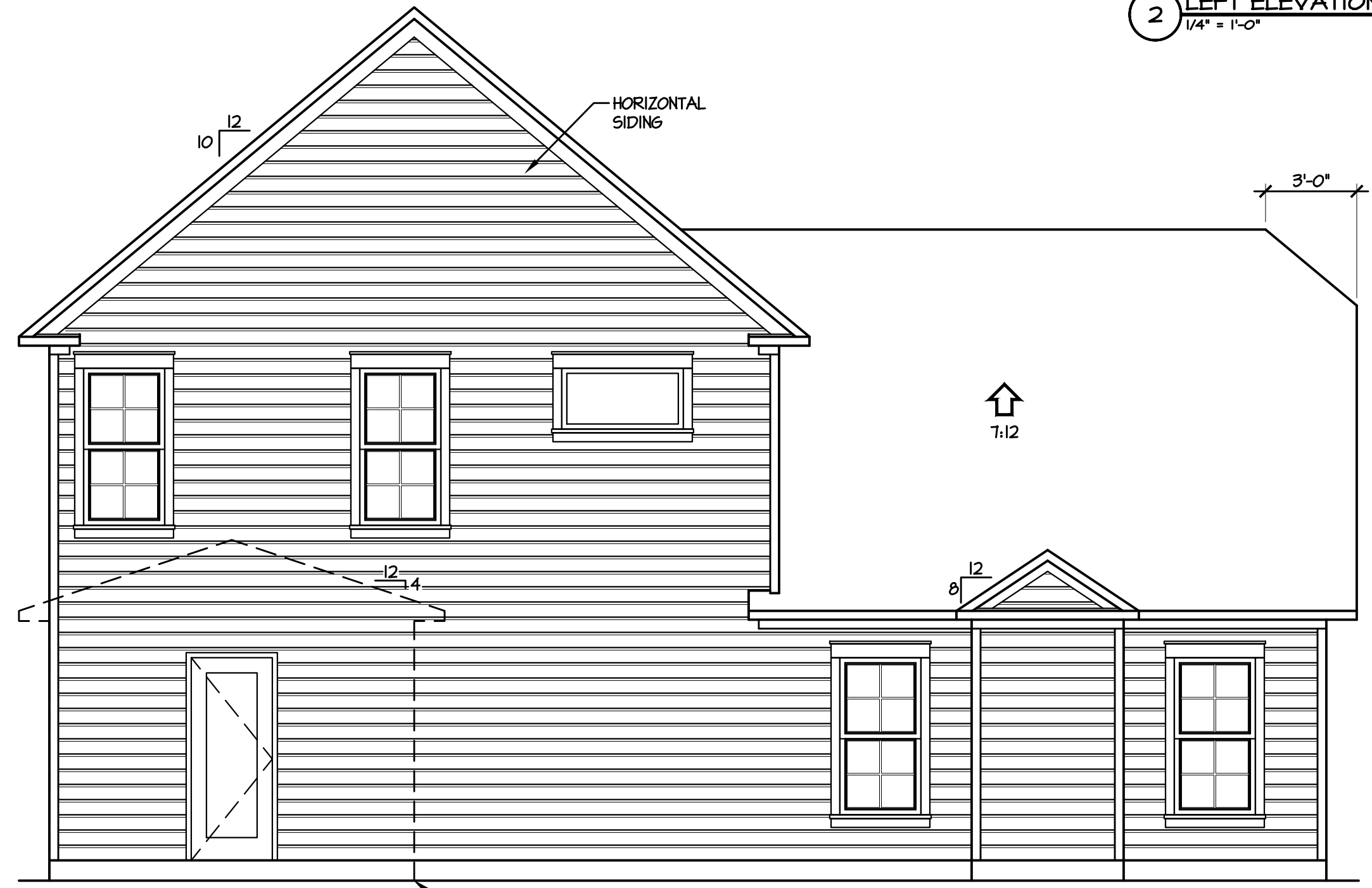
DATE: NOVEMBER 2012

PLAN NO: CL 2344

SHEET NO: 1a



2 LEFT ELEVATION
1/4" = 1'-0"



1 REAR ELEVATION
1/4" = 1'-0"

CRDG
 CAROLINA RESIDENTIAL
 DESIGN GROUP, LLC
 Professional Member
 Institute of Classical Architecture
 American Institute of Building Design
 Certified Professional Building Designer
 TODD TUCKER, AIBD, CPBD
 910-425-7939

AMERICAN INSTITUTE OF BUILDING DESIGN
AIBD

NATIONAL COUNCIL OF
 BUILDING DESIGNERS
NCBD
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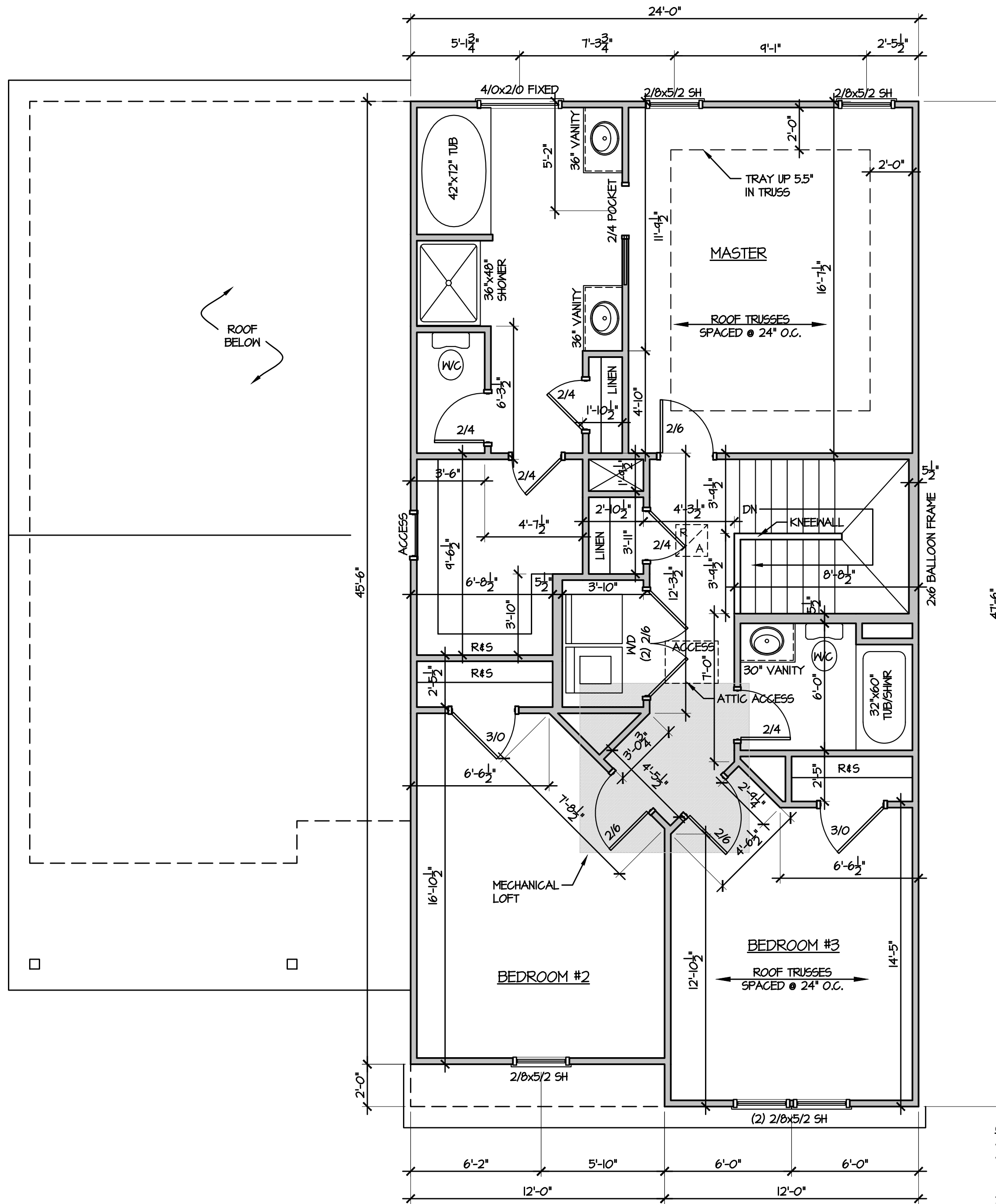
Caviness Land
 ELEVATIONS
 SHEET TITLE:

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

DATE:
NOVEMBER 2012

PLAN NO:
CL 2344

SHEET NO:
2



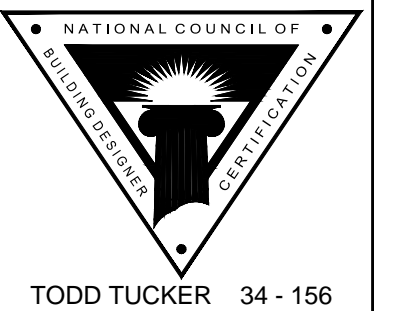
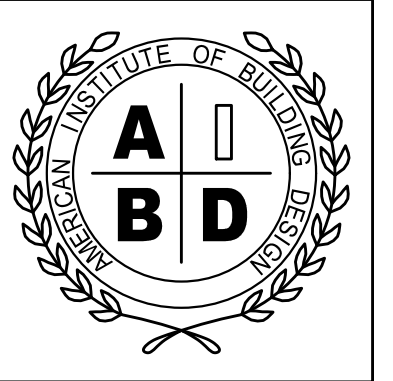
GENERAL NOTE:
 ALL 2x4 WALLS DRAWN AS 3 1/2"
 ALL 2x6 WALLS DRAWN AS 5 1/2"

ALL EXTERIOR DIMENSIONS INCLUDE WALL SHEATHING

ALL WALLS ARE 2x4 WALLS UNLESS OTHERWISE NOTED

IN LOAD-BEARING WALLS:
 ALL OPENING, WINDOW & DOOR HEADERS TO BE
 (2) 2x10 SYP #2 & (1) STUD ON EACH SIDE
 UNLESS NOTED OTHERWISE

◊ SYMBOL FOR REQUIRED STUDS FOR BEAM ABOVE



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Caviness Land

SHEET TITLE:
SECOND FLOOR PLAN

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

DATE:
 NOVEMBER 2012

PLAN NO:
 CL 2344

SHEET NO:
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