

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

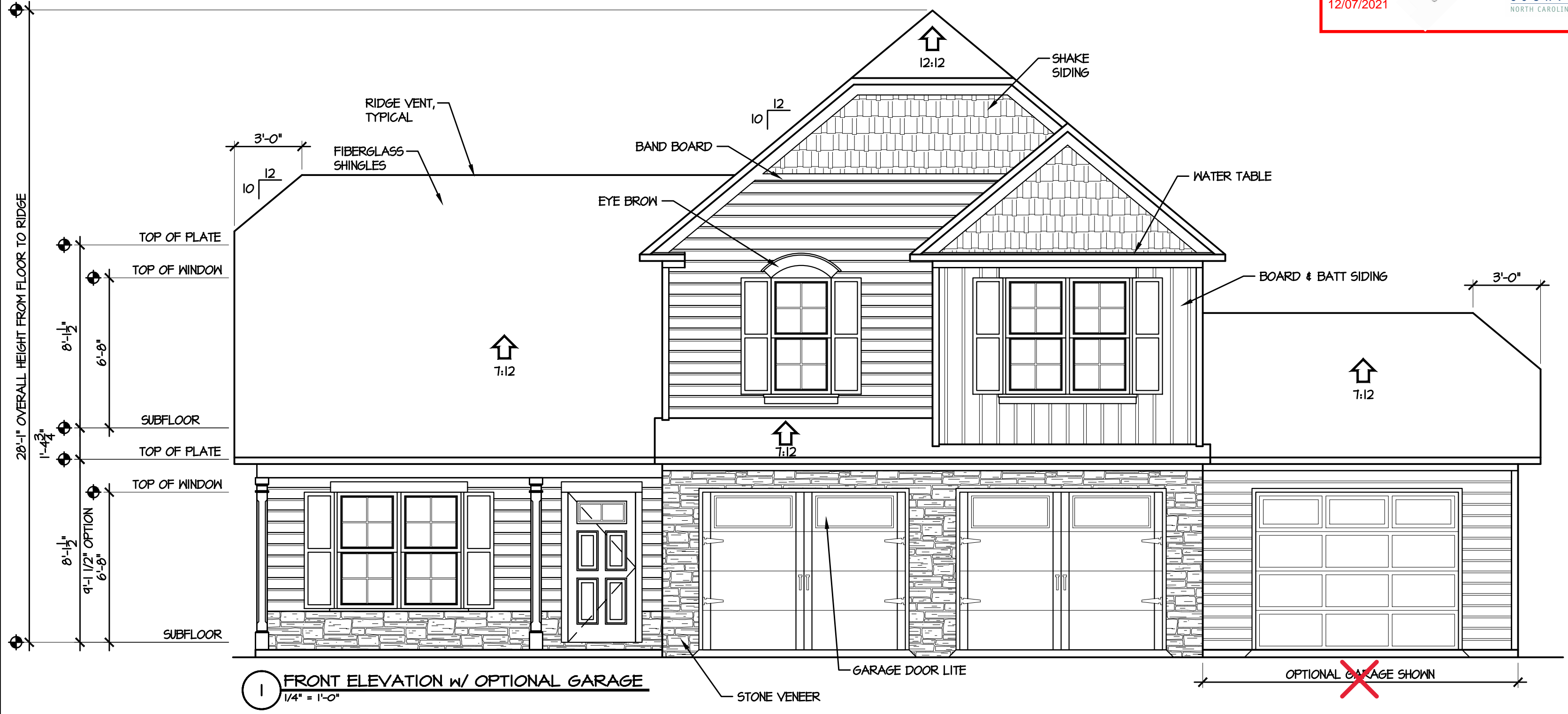
LIST OF SYMBOLS		
SECTION SHEET →	SECTION MARK	SLOPE UP PITCH 12:12
SECTION SHEET →	DETAIL MARK	EARTH
TITLE SCALE	TITLE MARK	INSULATION
	INTERIOR BEARING WALL	STANDARD WALL

NOTICE TO CONTRACTOR
 All construction must comply with current NC Building Codes and is subject to field inspection and verification.

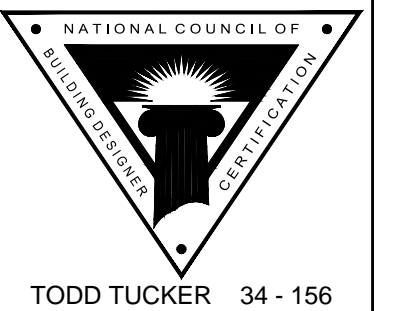
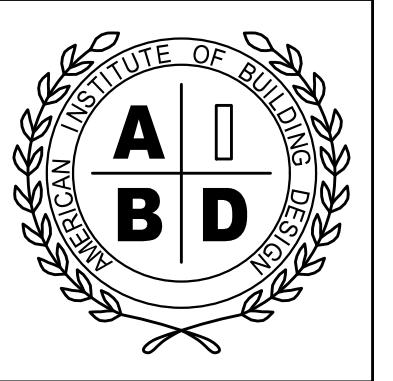
APPROVED
 Licensed building only review.
 Permit holder responsible for full compliance with the code.

12/07/2021

Harnett COUNTY
 NORTH CAROLINA



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-COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS, PROMPT WRITTEN NOTICE SHALL BE GIVEN BY THE CLIENT TO THE DESIGNER. THE CLIENT SHALL HOLD HARNETT COUNTY 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

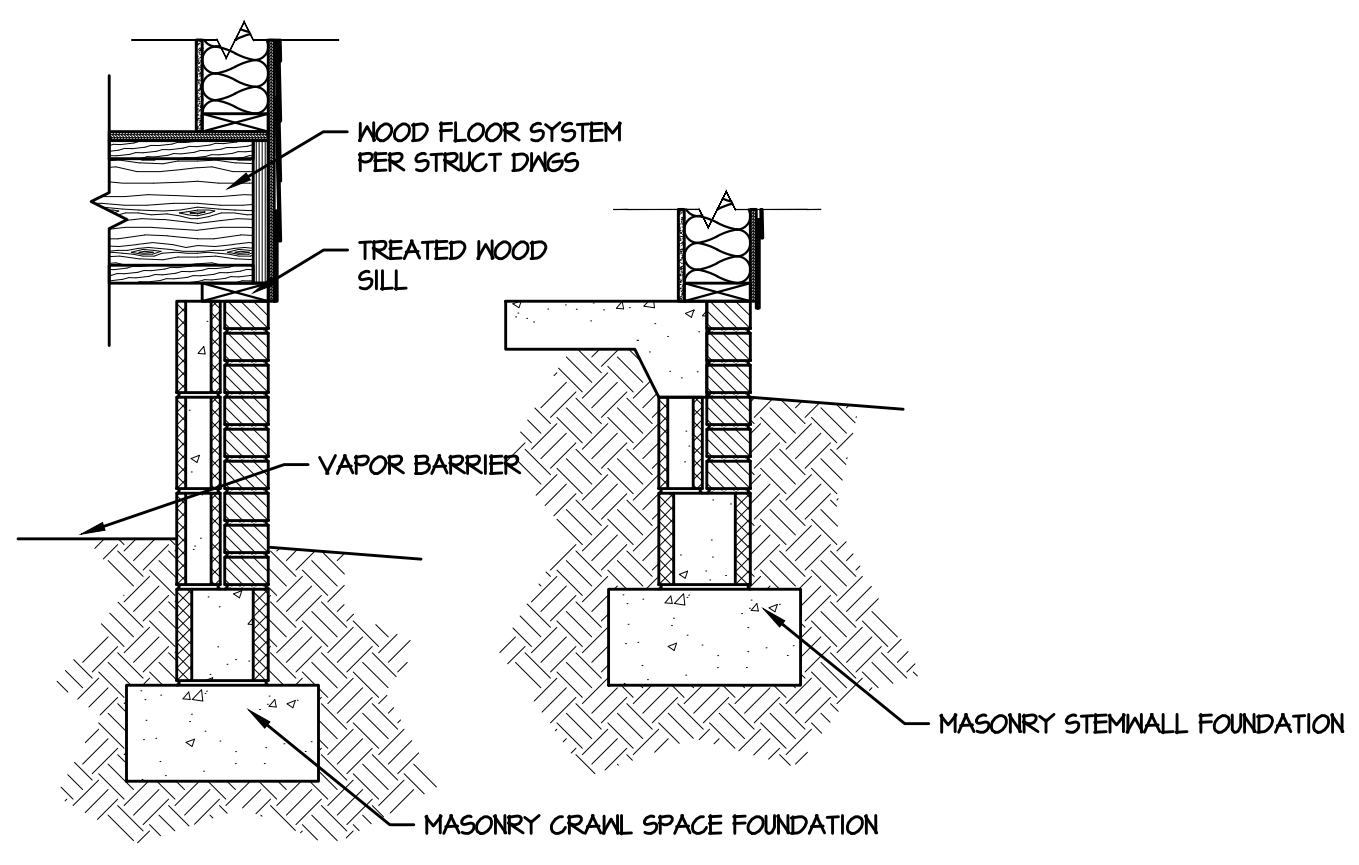
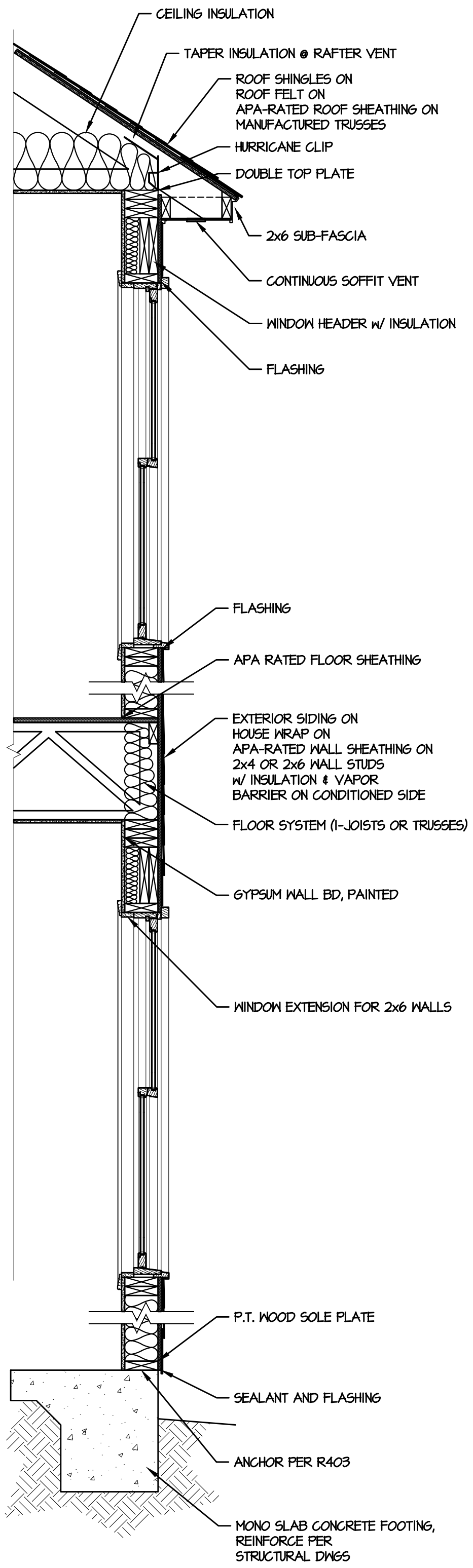
SHEET TITLE:

SCALE: AS NOTED

DATE: NOVEMBER 2012

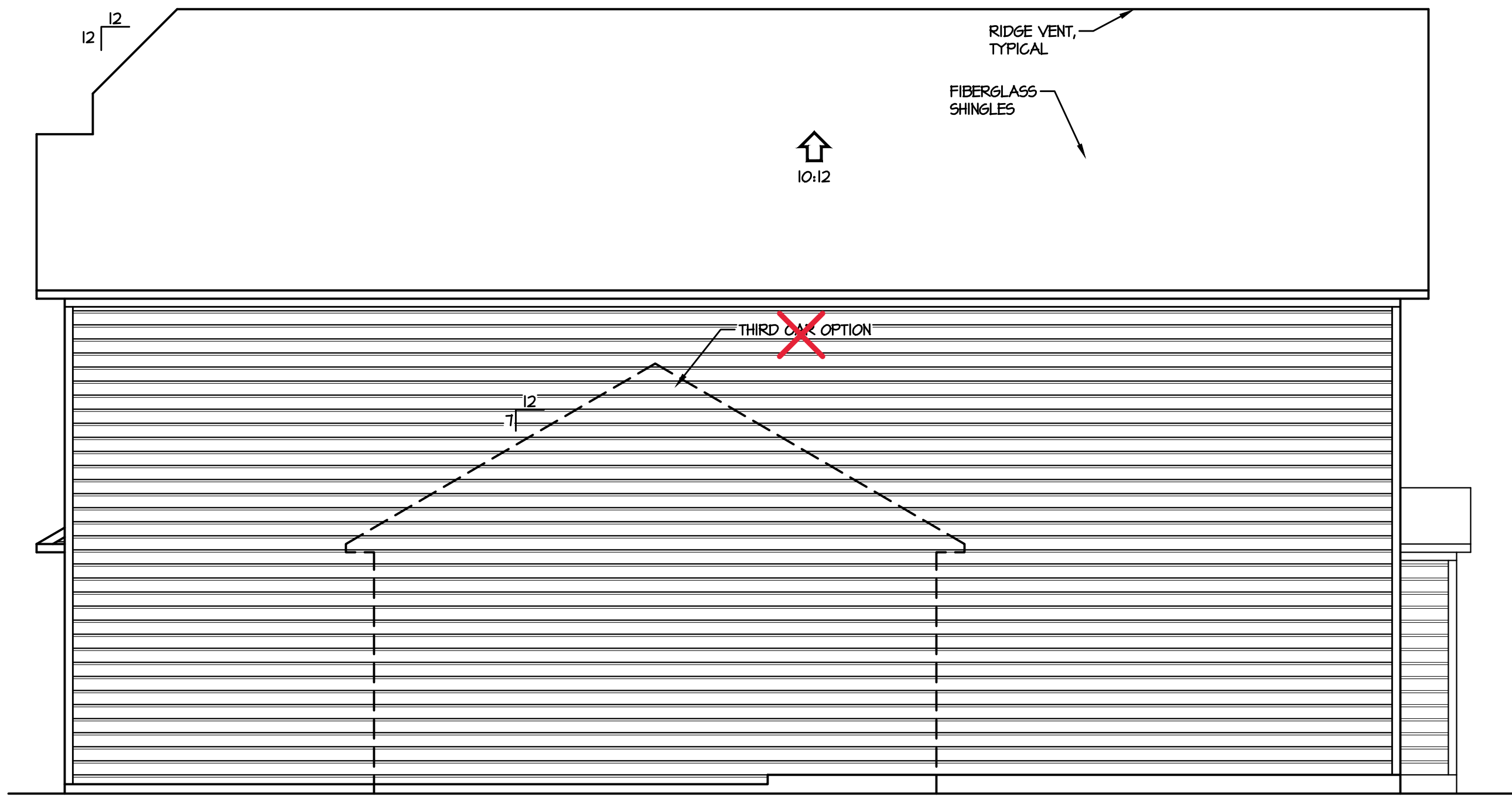
PLAN NO: CL 2344

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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 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
 TODD TUCKER 34 - 156

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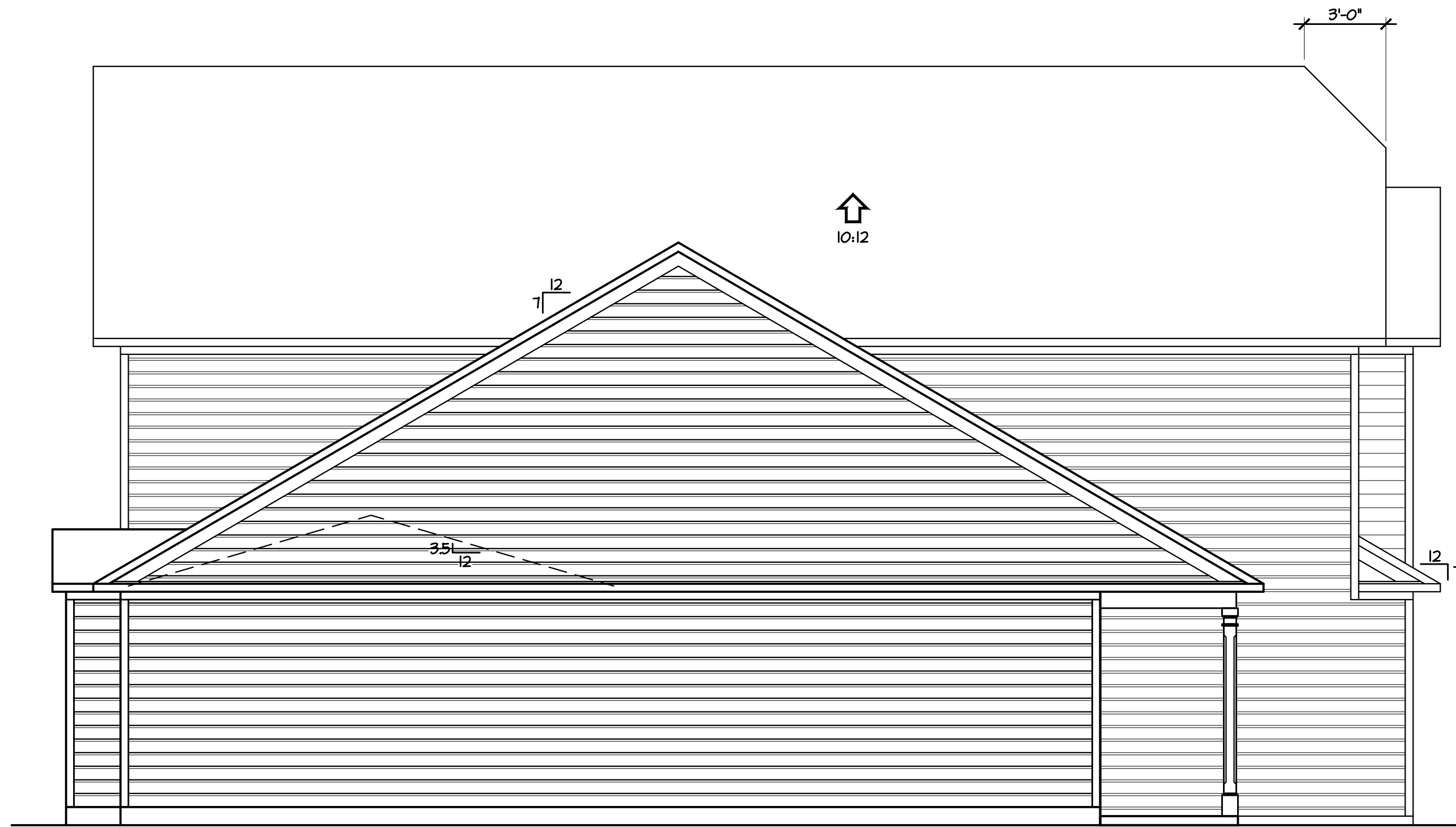
Caviness Land
ELEVATIONS
 SHEET TITLE:

SCALE:
AS NOTED

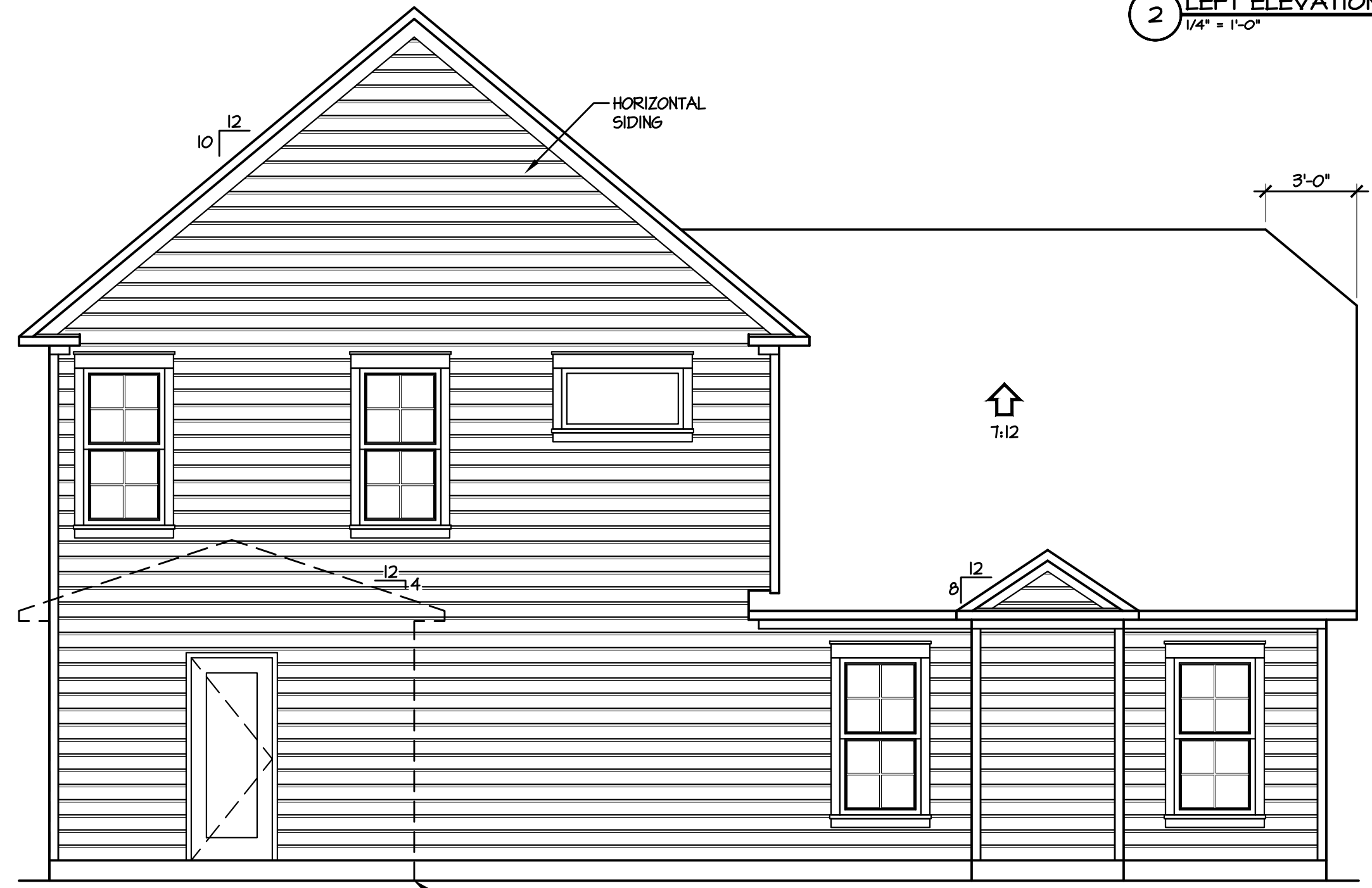
DATE:
NOVEMBER 2012

PLAN NO:
CL 2344

SHEET NO:
1a



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



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

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Caviness Land
 ELEVATIONS
 SHEET TITLE:

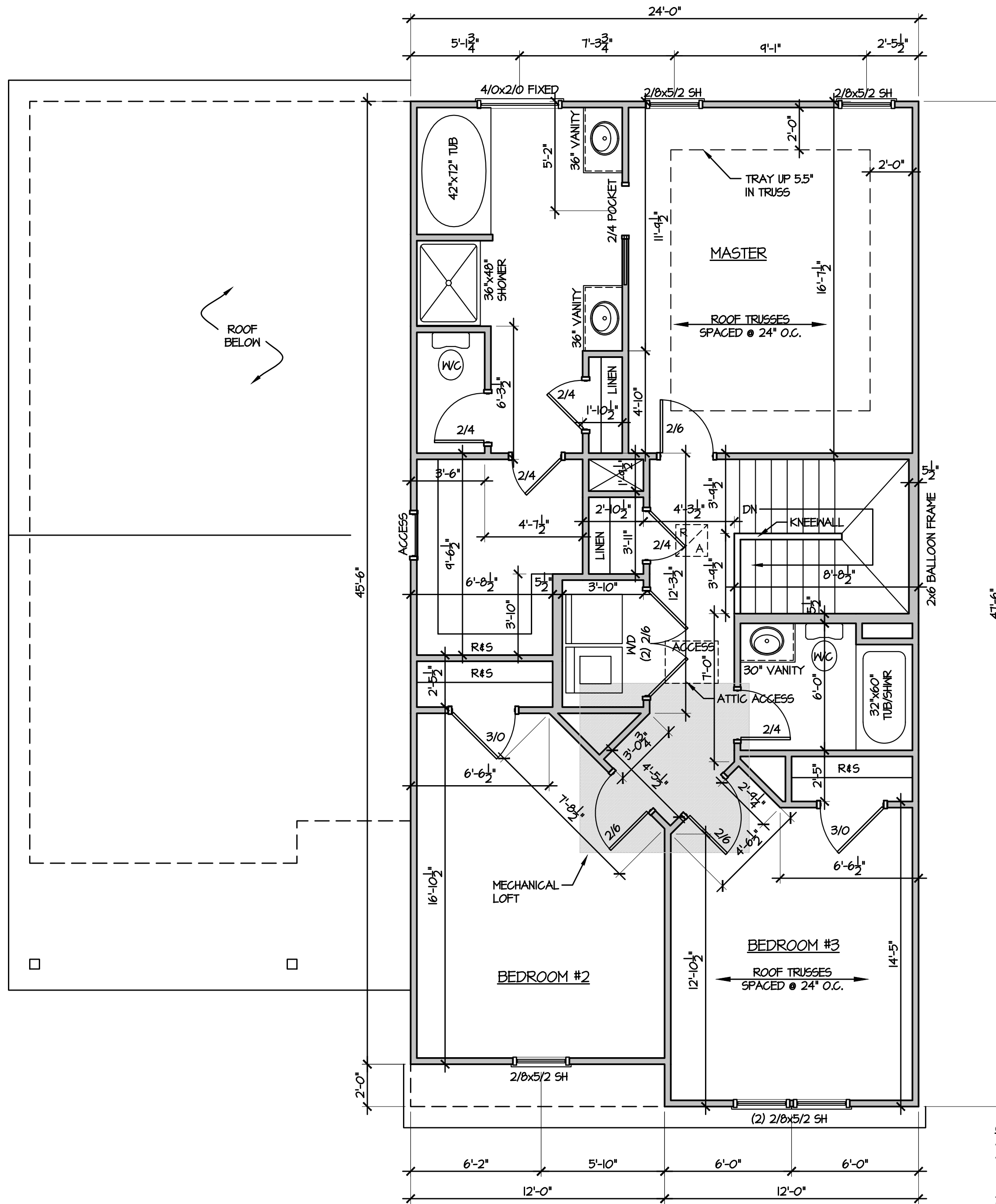
SCALE:
1/4" = 1'-0"

DATE:
NOVEMBER 2012

PLAN NO:
CL 2344

SHEET NO:
2

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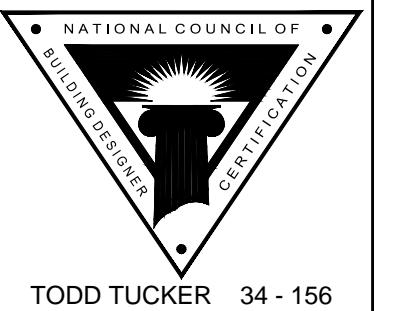
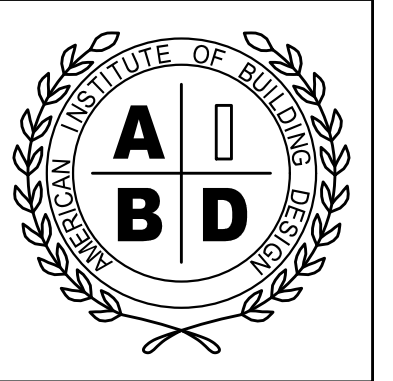
GENERAL NOTE:
 ALL 2x4 WALLS DRAWN AS 3 1/2"
 ALL 2x6 WALLS DRAWN AS 5 1/2"

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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SHEET TITLE:
SECOND FLOOR PLAN

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

DATE:
 NOVEMBER 2012

PLAN NO:
 CL 2344

SHEET NO:
5

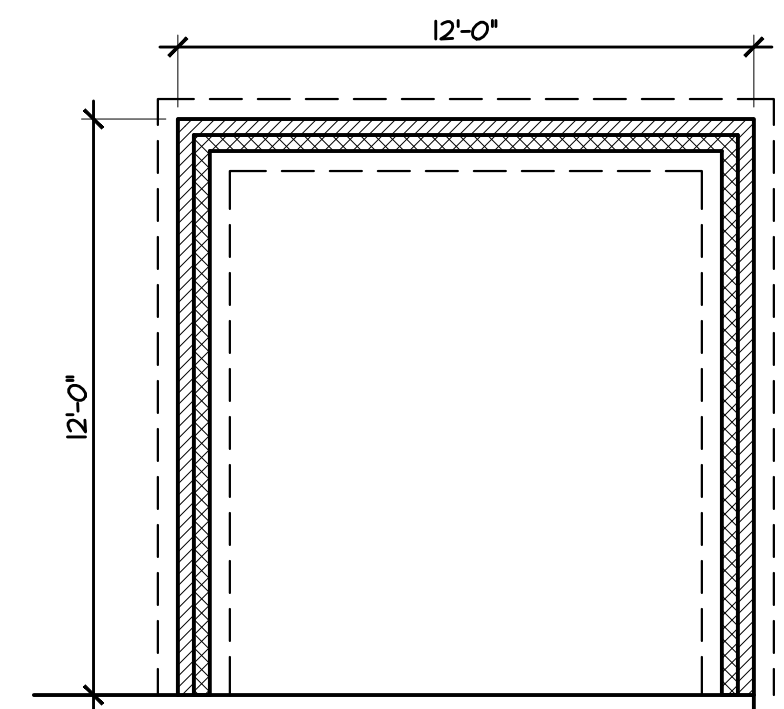
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SCALE:
 1/4" = 1'-0"

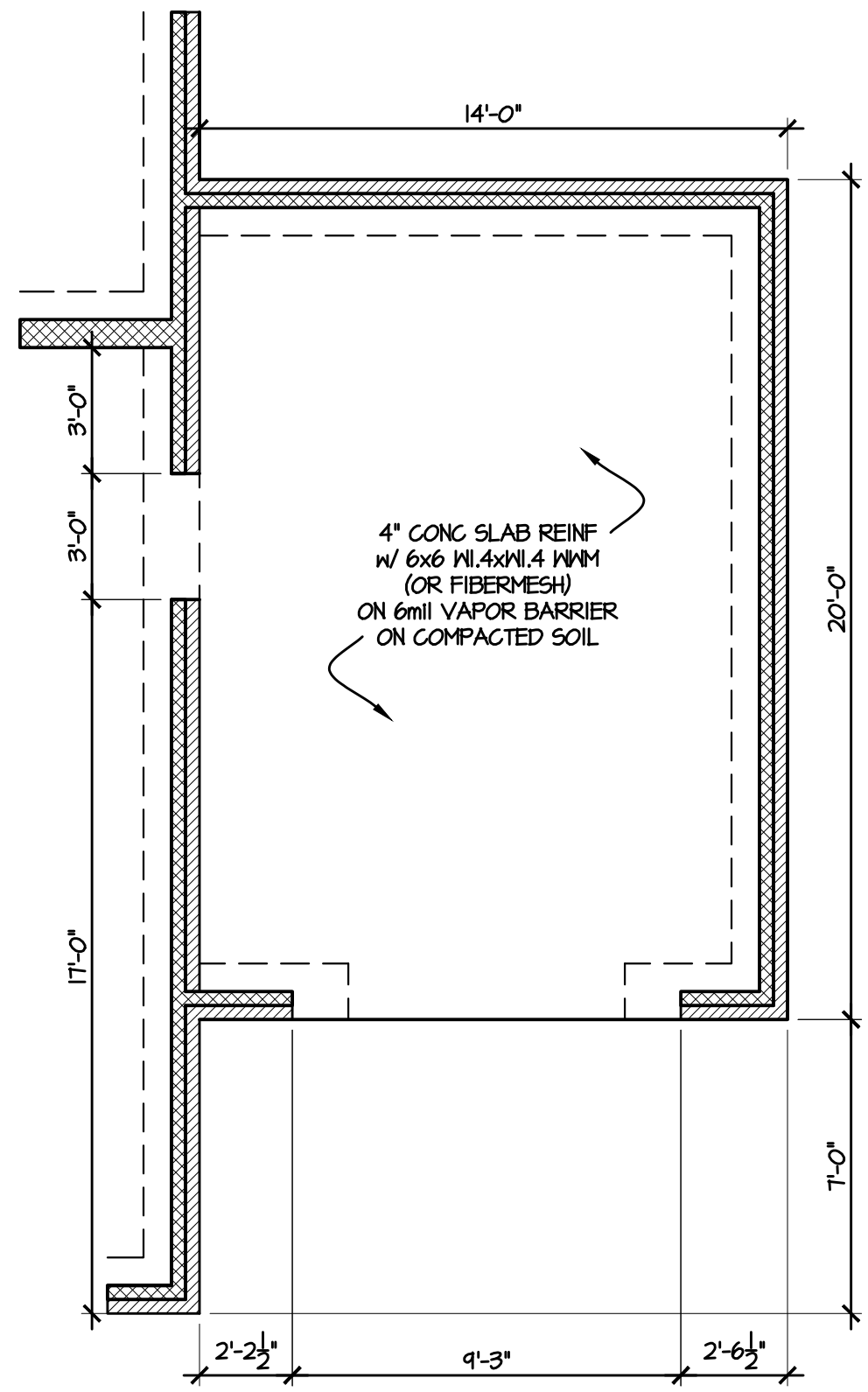
DATE:
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PLAN NO:
 CL 2344

SHEET NO:
3



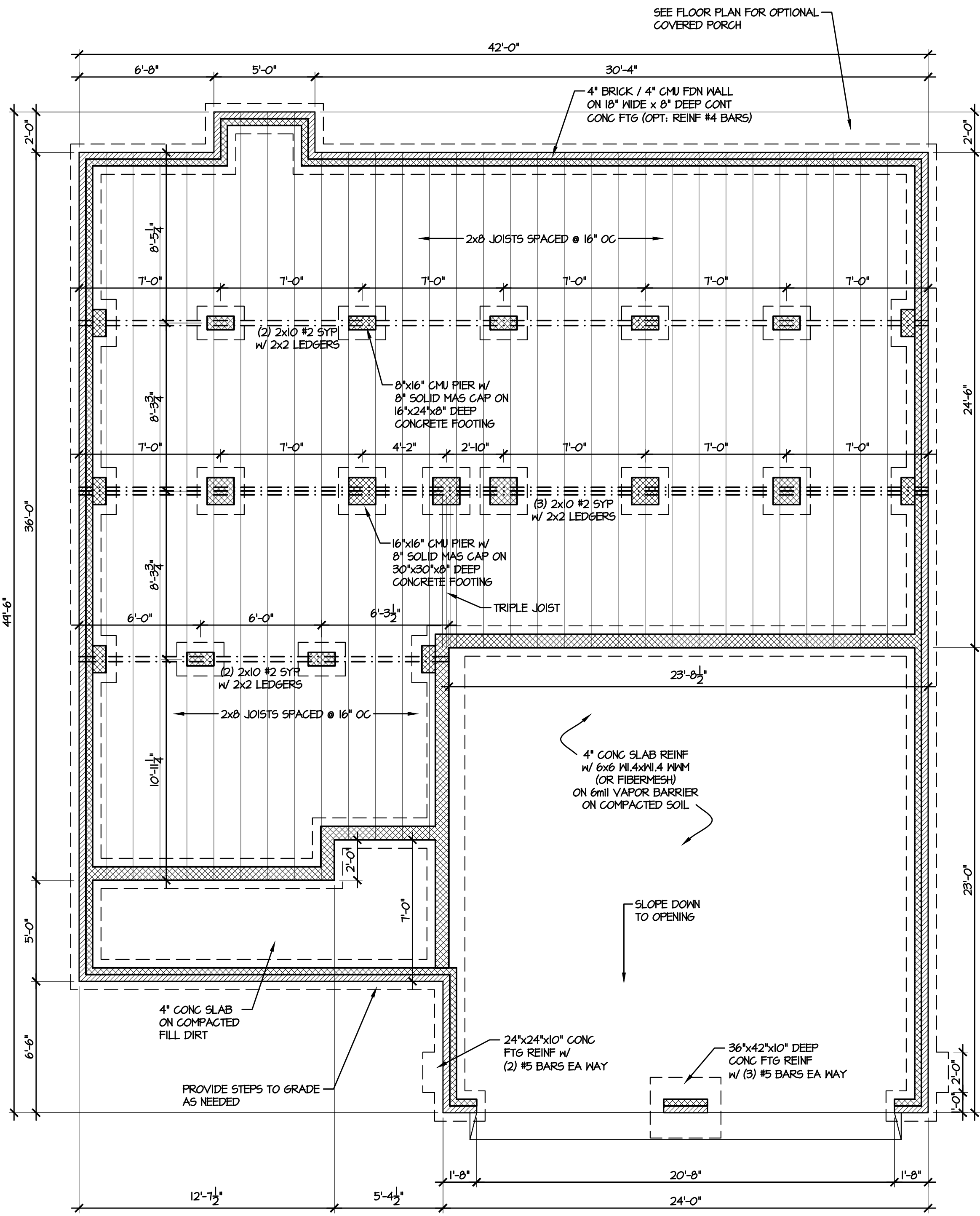
2 OPTIONAL COV PORCH
 1/4" = 1'-0"



3 THIRD CAR GARAGE OPTION
 1/4" = 1'-0"

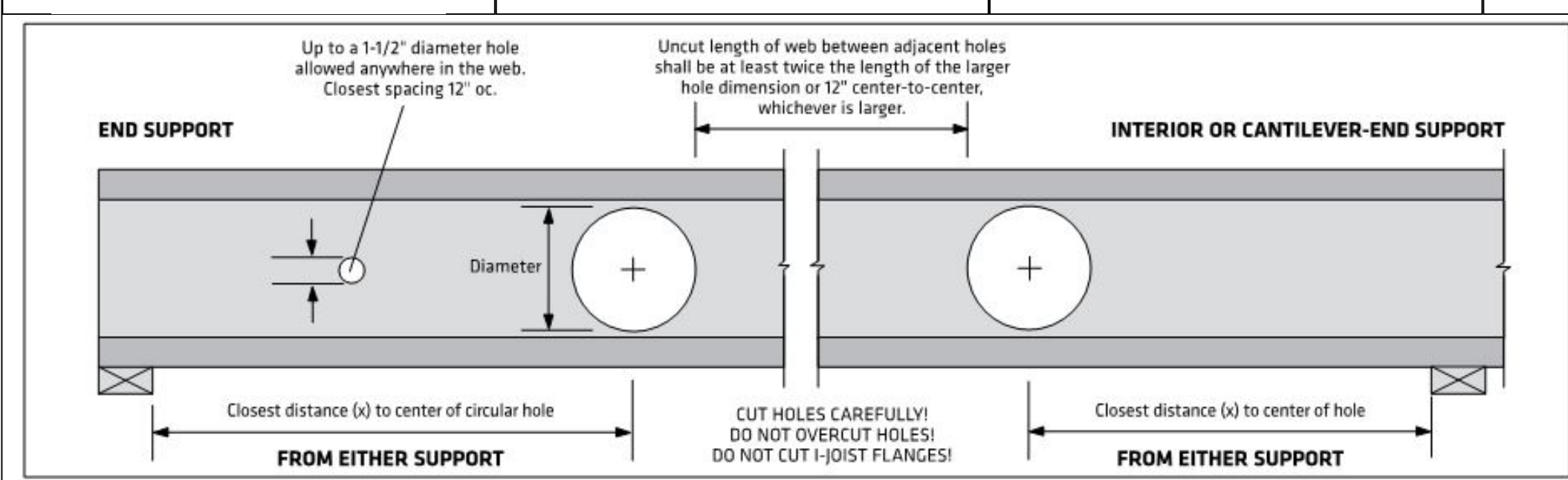
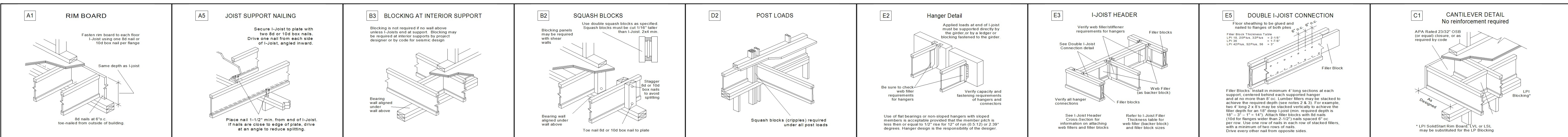
- FOUNDATION PLAN NOTES:**
1. DOUBLE JOISTS UNDER ALL PARTITIONS.
 2. SILL TO BE PRESSURE TREATED
 3. MAINTAIN MIN 12" BELOW GIRDERS & 10" BELOW JOISTS TO GRADE OR AS REQUIRED FOR MECHANICAL EQUIPMENT.
 4. PROVIDE VAPOR BARRIER AT CRAWL SPACE
 5. FOUNDATION VENTS TO BE 8"x16"x16" W/ 50 SQ. IN. MIN. FREE VENT AREA
 6. CRAWL SPACE ACCESS TO BE 22"x36" MIN CLEAR OPENING (FIELD LOCATE)
 7. NOT USED
 8. ANCHOR BOLTS @ 6'-0" O.C. AND 1'-0" FROM EACH CORNER (EMBED 8" MIN. IN SOLID GROUT)
 9. GC TO REVIEW TRUSS SHOP DRAWINGS & NOTIFY DESIGNER IF REQUIRED POINT LOAD PIERS OR BEARING WALLS ARE ADDED TO FOUNDATION PLAN

- VENTILATION NOTES:**
- CRAWL SPACE AREA: 1045 S.F.
 1500 S.F. PER 1 S.F. VENTS = 0.70 S.F.
 REQUIRED VENTS W/ V.B. + ONE VENT WITHIN 3' OF EA. CORNER = 3 VENTS



1 CRAWL SPACE PLAN
 1/4" = 1'-0"

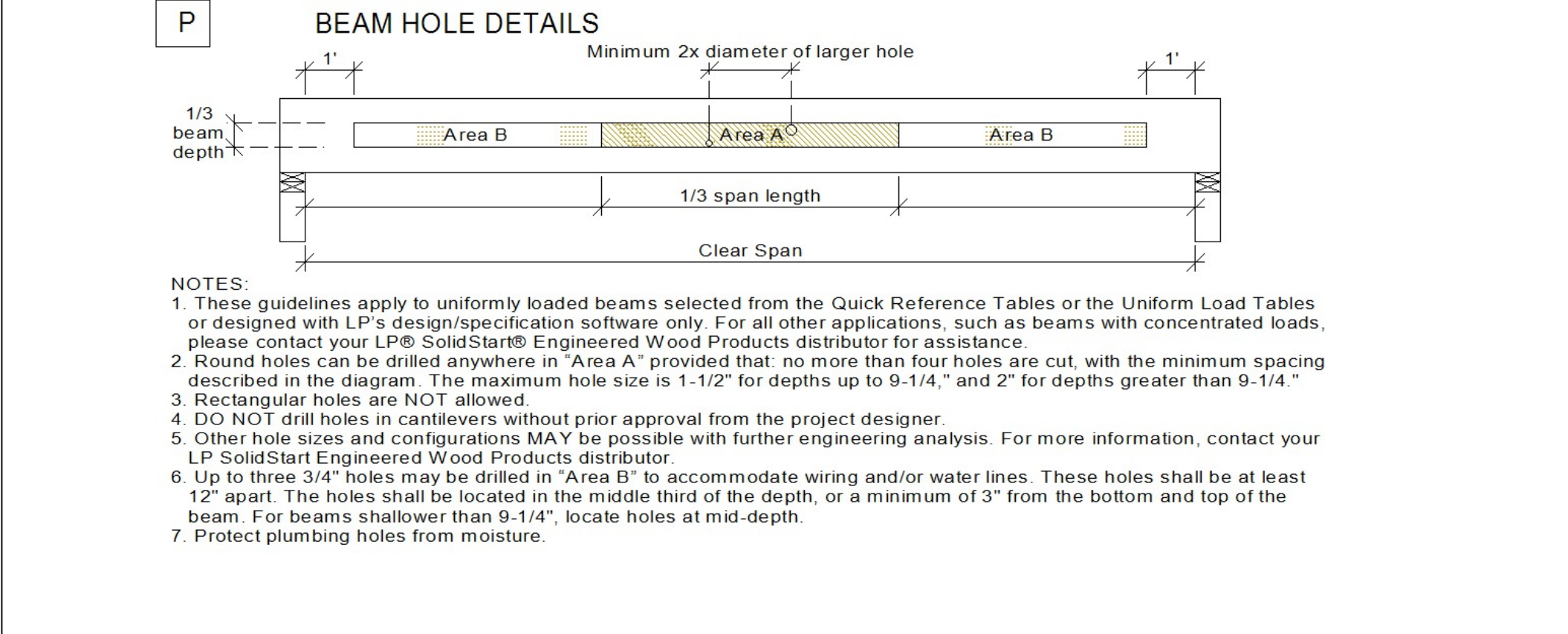
FOUNDATION NOTES:
 ALL REINFORCING AND CONCRETE MESH OPTIONAL. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE SOIL SUITABILITY. (UNLESS REINF REQ'D BY LOCAL CODE)



- TO USE:**
- Select the required series and depth.
 - Determine the support condition for the nearest bearing: end support or interior support (including cantilever-end supports).
 - Select the row corresponding to the required Clear Span. For spans between those listed, use the next largest value.
 - Select the column corresponding to the required hole diameter. For diameters between those listed, use the next largest value.
 - The intersection of the Clear Span row and Hole Diameter column gives the minimum distance from the inside face of bearing to the center of a circular hole.
 - Double check the distance to the other support, using the appropriate support condition.

Depth	Clear Span (ft)	Distance from End Support						Distance from Interior or Cantilever-End Support					
		Hole Diameter						Hole Diameter					
		2"	4"	6"	8"	10"	12"	2"	4"	6"	8"	10"	12"
14"	14'	1'-0"	1'-0"	1'-0"	1'-0"	2'-2"	-	1'-0"	1'-0"	1'-5"	2'-7"	3'-9"	-
	18'	1'-0"	1'-0"	1'-0"	1'-9"	4'-6"	-	1'-8"	2'-10"	3'-11"	5'-1"	6'-3"	-
	22'	1'-5"	2'-9"	4'-1"	5'-6"	7'-0"	-	4'-2"	5'-4"	6'-5"	7'-7"	8'-9"	-
	26'	3'-8"	5'-0"	6'-5"	8'-0"	9'-8"	-	6'-8"	7'-10"	8'-11"	10'-1"	11'-4"	-
16"	18'	1'-0"	1'-0"	1'-4"	2'-5"	3'-7"	4'-11"	1'-6"	2'-6"	3'-6"	4'-6"	5'-6"	6'-6"
	22'	1'-4"	2'-5"	3'-6"	4'-9"	6'-1"	7'-5"	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"
	26'	3'-6"	4'-8"	5'-11"	7'-2"	8'-7"	10'-1"	6'-6"	7'-6"	8'-6"	9'-6"	10'-6"	11'-9"
	30'	5'-9"	7'-0"	8'-4"	9'-9"	11'-3"	12'-10"	9'-0"	10'-0"	11'-0"	12'-0"	13'-2"	14'-8"

- DESIGN ASSUMPTIONS:**
- The hole locations listed above are valid for floor joists supporting only uniform loads. The total uniform load shall not exceed 130 plf (e.g., 40 psf Live Load and 25 psf Dead Load spaced 24" oc).
 - Hole location is measured from the inside face of bearing to the center of a circular hole, from the closest support.
 - Clear Span has not been verified for these joists and is shown for informational purposes only! Verify that the joist selected will work for the span and loading conditions needed before checking hole location.
 - The maximum hole depth for circular holes is the I-joist Depth less 4"; except the maximum hole depth is 6" for 9'-1/2" LPI joists, and 8" for 11'-7/8" LPI joists.
 - Holes cannot be located in the span where designated "x", without further analysis by a design professional.
- NOTES:**
- Holes may be placed anywhere within the depth of the joist. A minimum 1/4" clear distance is required between the hole and the flanges.
 - Round holes up to 1-1/2" diameter may be placed anywhere in the web.
 - Perforated "knockouts" may be neglected when locating web holes.
 - Holes larger than 1-1/2" are not permitted in cantilevers without special engineering.
 - Multiple holes shall have a clear separation along the length of the joist of at least twice the length of the larger adjacent hole, or a minimum of 12" center-to-center, whichever is greater.
 - Multiple holes may be spaced closer provided they fit within the boundary of an acceptable larger hole. Example: two 3" round holes aligned parallel to the joist length may be spaced 2" apart (clear distance) provided that a 3" high by 8" long rectangle or an 8" diameter round hole are acceptable for the joist depth at that location and completely encompass the holes.
 - For conditions not covered in this table, use LP's design software or contact your local LP® SolidStart® Engineered Wood Products distributor for more information.



Important Notes: WARNING: Failure to follow proper procedures for handling, storage and installation could result in unsatisfactory performance, unsafe structures and possible collapse.

These instructions are offered as a guide to good practice in the handling, storage and installation of LP® SolidStart® I-joists, LP SolidStart LVL & LP SolidStart LSL beams. They are, however, solely general recommendations and, in some instances, other or additional precautions may be desirable. In all cases, the procedures used should be as specified by the architect/engineer responsible for the entire building.

• This is not intended as a manual for selecting products and assumes that components and details have been specified correctly.

• Consult the LP SolidStart I-joist, LP SolidStart LVL & LP SolidStart LSL brochures or contact your LP SolidStart products distributor for assistance.

• All rim joists, blocking, connections and temporary bracing must be installed before erections are allowed on the structure.

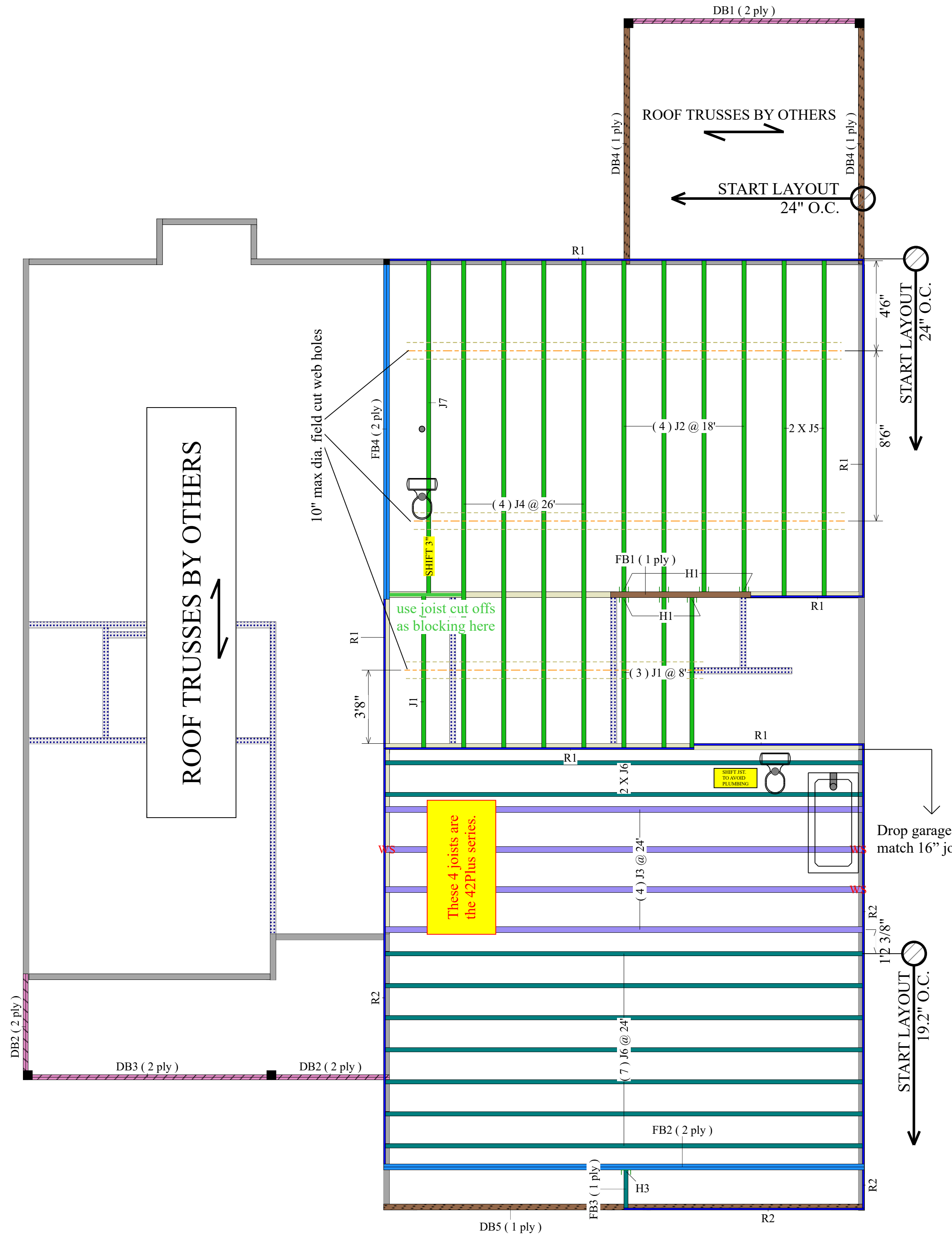
• No loads other than the weight of the erectors are to be imposed on the structure before it is permanently sheathed.

• After sheathing, do not overload joists with construction materials exceeding design loads.

• LP SolidStart I-joists, LP SolidStart LVL & LP SolidStart LSL beams must be used under dry, covered and well ventilated interior conditions in which the equivalent moisture content in lumber will not exceed 16%.

Handling & Storage: Keep LP SolidStart I-joists, LP SolidStart LVL & LP SolidStart LSL beams dry.

- Unload products carefully by lifting. Support the bundles to reduce excessive bowing. Individual products should be handled in a manner which prevents physical damage during measuring, cutting, erection, etc. I-joists should be handled vertically and not flatwise.
- Keep stored in wrapped and strapped bundles, stacked no more than 10' high. Support and separate bundles with 2 x 4 (or larger) stickers spaced no more than 10' apart. Keep stickers in line vertically.
- Product must not be stored in contact with the ground, or have prolonged exposure to the weather.
- Use forklifts and cranes carefully to avoid damaging product.
- Do not use visually damaged product.
- Call your local LP SolidStart Engineered Wood Products distributor for assistance when damaged products are encountered.



2nd Flr I Joist (Flush)

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
J4	LPI 20Plus	2.5	14			4	26-0-0
J7	LPI 20Plus	2.5	14			1	18-0-0
J5	LPI 20Plus	2.5	14			2	18-0-0
J2	LPI 20Plus	2.5	14			4	18-0-0
J1	LPI 20Plus	2.5	14			4	8-0-0
FB3	LPI 32Plus	2.5	16			1	2-0-0
J6	LPI 32Plus	2.5	16			9	24-0-0
J3	LPI 42Plus	3.5	16			4	24-0-0

LVL/LSL (Flush)

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
FB1	LP-LSL 1.55E	3.5	14			1	8-0-0
FB2	LP-LVL 2900Fb-2.0E	1.75	16	1	2	2	24-0-0
FB4	LP-LVL 2900Fb-2.0E	1.75	16	1	2	2	18-0-0

LVL/LSL (Dropped)

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
DB4	LP-LSL 1.55E	3.5	9.25			2	12-0-0
DB5	LP-LSL 1.55E	3.5	11.875			1	24-0-0

Beam By Others (Dropped)

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
DB3	[2x10]			1	2	2	14-0-0
DB1	[2x10]			1	2	2	12-0-0
DB2	[2x10]			2	2	4	6-0-0

Rim Board

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
R1	LP APA Rated OSB 1.125 X 14	1.125	14			7	12-0-0
R2	LP APA Rated OSB 1.125 X 16	1.125	16			5	12-0-0

Hanger

Label	Pcs	Description	Skew	Slope	fasteners	Supported Member
H1	7	IUS2.56/14 (Min)			12 10d	
H3	1	IUS2.56/16 (Min)			14 10d	

2ND FLOOR FRAMING
SCALE: 1/4" = 1'

2160 Satellite Blvd., Suite 450
Duluth, GA 30097
888-613-5078

Dealer
84 Lumber-Fayetteville #2307
620 Belt Road
Fayetteville, NC 28301
(910) 867-9185

Project
CL2344 GR CP

Created
February 19, 2020

Layout Name
CL2344 GR CP

Description
Caviness Land
CL2344 GR CP

Designer
Kyle Militzer

Revised
April 06, 2020

2nd Flr

Design Method	ASD (USA)
Building Code	IBC/IRC 2015

Floor

Loads	
Live	40
Dead	10

Deflection Joist

LL Span / L	
TL Span L/	480
LL Span L/	240
TL Span 2L/	240
TL Cant 2L/	180

Deflection Girder

LL Span / L	
TL Span L/	360
LL Span L/	240
TL Span 2L/	240
TL Cant 2L/	180

Decking
OSB
23/32 APA Rated Sturd-I-Floor

Fastener
Nailed & Glued

Legend

- Web Stiffener
- 3.5" Ext Wall
- 3.5" Int Wall
- 3.5" Non-Brg Wall
- 5.5" Non-Brg Wall
- LP APA Rated OSB 1.125 X 14
- LP APA Rated OSB 1.125 X 16
- LPI 20Plus 14
- LPI 32Plus 16
- LPI 42Plus 16
- LP-LSL 1.55E 3.5 X 9.25 (Dropped)
- LP-LSL 1.55E 3.5 X 11.875 (Dropped)
- LP-LSL 1.55E 3.5 X 14
- LP-LVL 2900Fb-2.0E 1.75 X 16
- 1.5 X 9.25 (Dropped)

GENERAL NOTES:

DO NOT CUT OR MODIFY TRUSSES.

TRUSSES ARE SPACED 24" ON CENTER UNLESS NOTED OTHERWISE.

REFER TO THE INDIVIDUAL TRUSS DESIGN DRAWINGS FOR THE LOCATION OF LATERAL BRACING AND MULTI-PLY CONNECTION REQUIREMENTS.

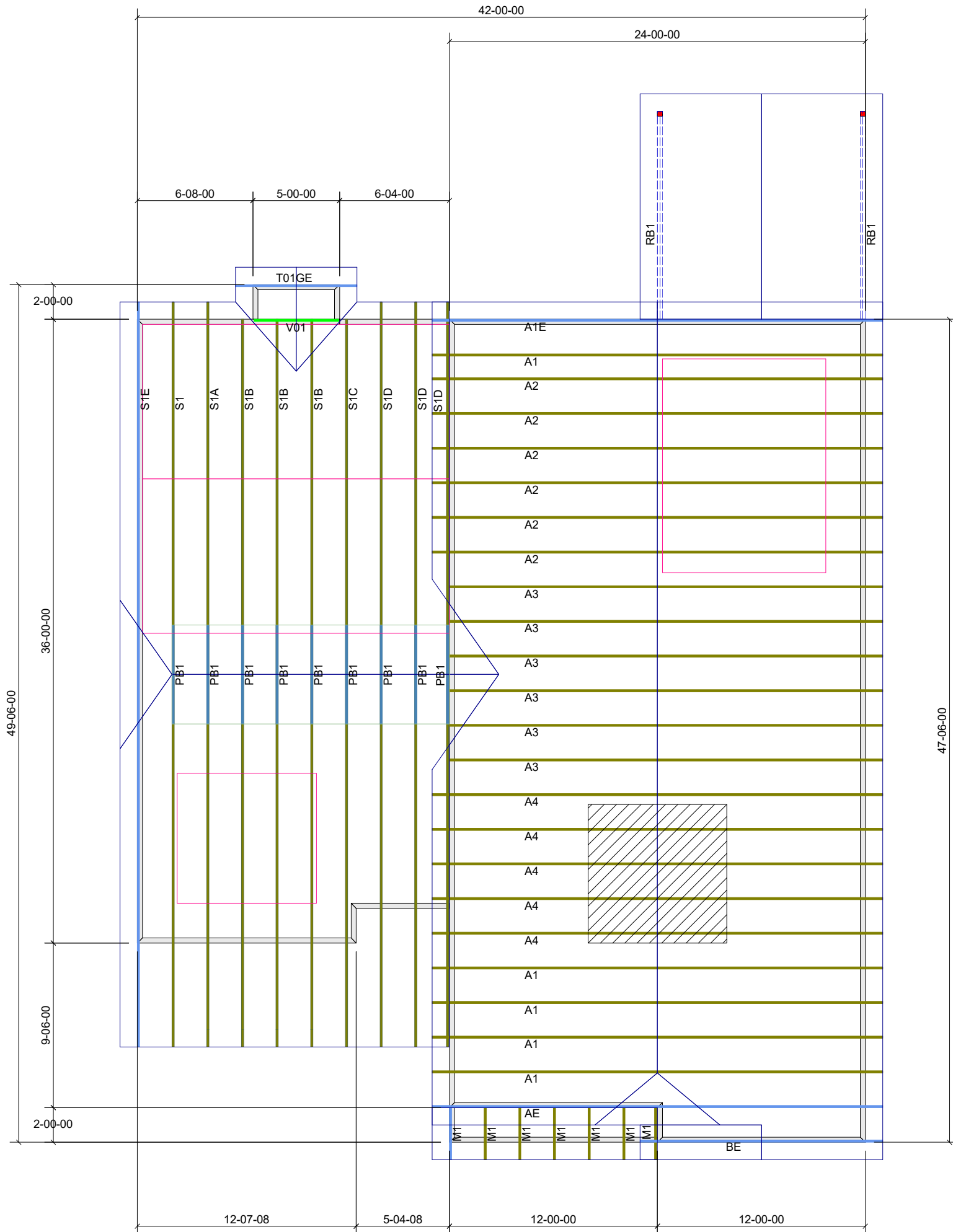
PER ANSI TPI 1-2002 THE TRUSS ENGINEER IS RESPONSIBLE FOR TRUSS TO TRUSS CONNECTIONS AND TRUSS PLY TO PLY CONNECTIONS.

THIS TRUSS PLACEMENT PLAN RECOMMENDS TRUSSES TO BEARING CONNECTIONS AND TRUSS TO BEAM CONNECTIONS WHICH SHALL BE REVIEWED BY THE BUILDING DESIGNER. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO RESOLVE ALL ROOF FORCES ADEQUATELY TO THE FOUNDATION.

Hardware List:

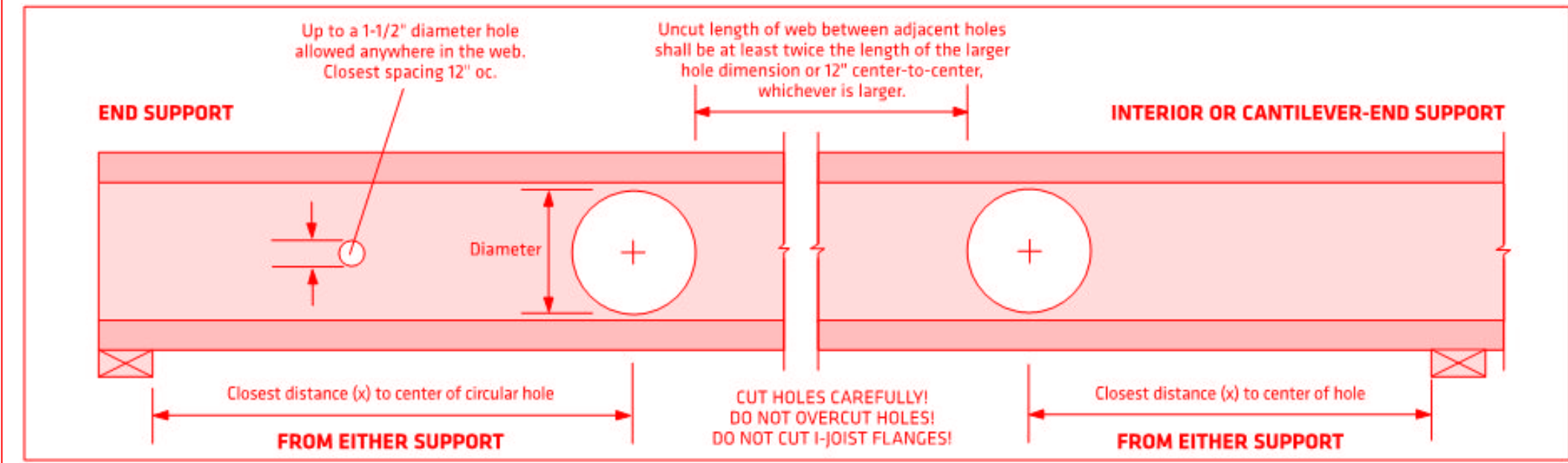
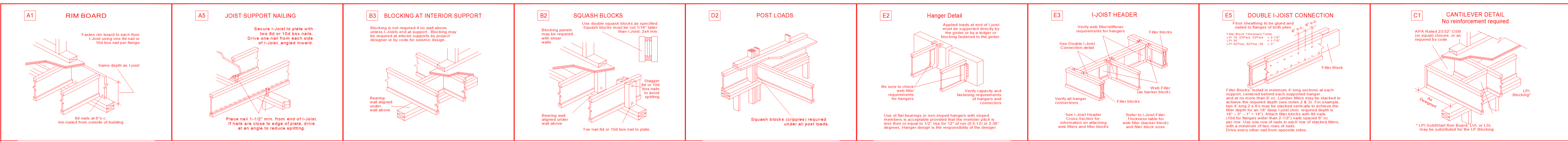
A	-	-
B	-	-
C	-	-
D	-	-
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THIS LAYOUT IS INTENDED FOR THE PURPOSE OF TRUSS LOCATION AND PLACEMENT ONLY. REFER TO THE BUILDING PLANS FOR ACTUAL BUILDING CONSTRUCTION.



DEDICATED TO QUALITY AND EXCELLENCE
 200 EMMETT ROAD
 DUNN, NORTH CAROLINA 28334
 PHONE: 910-892-8400

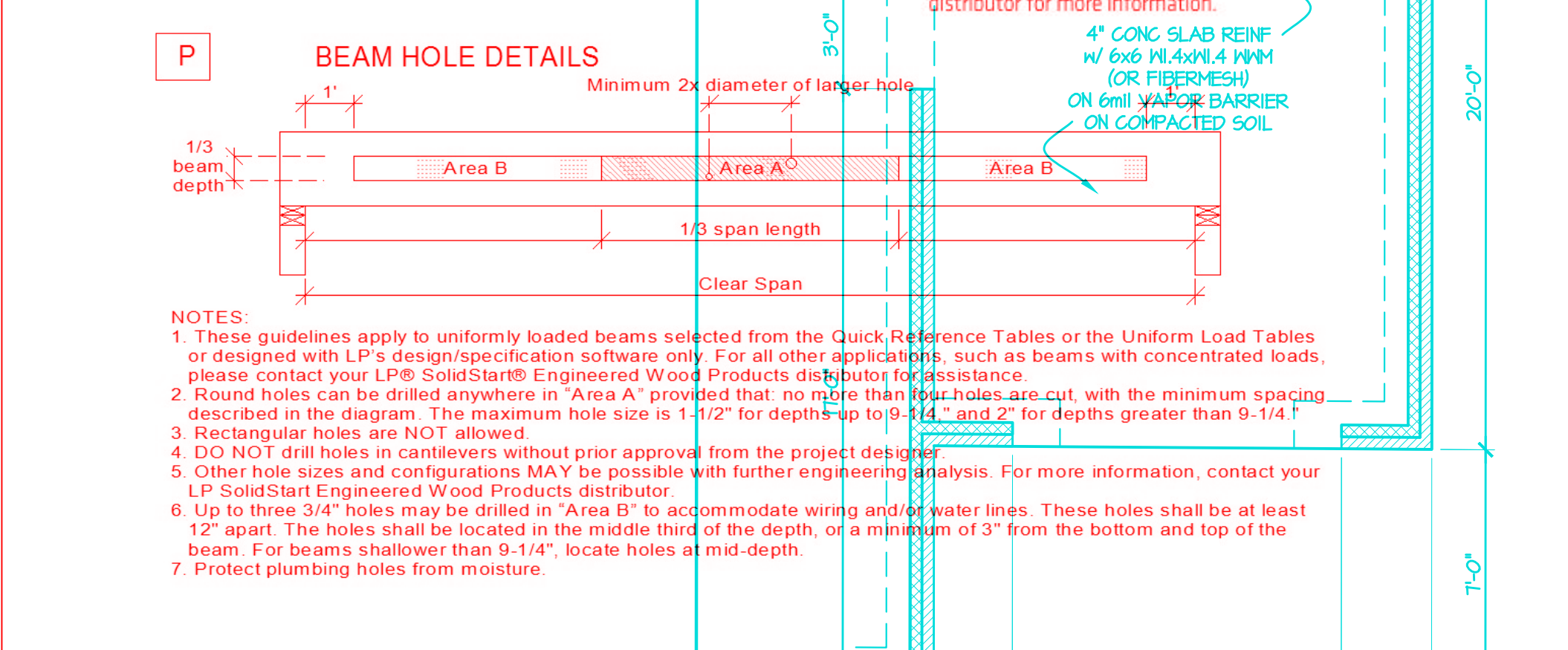
ROOF LOADING:	PROJECT:	CL 2344 Base	
TOP LIVE: 20 PSF	CUSTOMER:	Caviness Land	
TOP DEAD: 10 PSF	MODEL:	CL-2344 GOR	
BOTTOM DEAD: 10 PSF	SCALE:	DRAWN BY:	P.O. NUMBER:
Wind Speed: 130 MPH	NTS	RE	XXXXX
	PRINT DATE:		REV:
	/ /		02/21/17 06:50:08
			ORDER: 11472
			SHIP DATE: 12/25/20



- TO USE:**
- Select the required series and depth.
 - Determine the support condition for the nearest bearing: end support or interior support (including cantilever-end supports).
 - Select the row corresponding to the required Clear Span. For spans between those listed, use the next largest value.
 - Select the column corresponding to the required hole diameter. For diameters between those listed, use the next largest value.
 - The intersection of the Clear Span row and Hole Diameter column gives the minimum distance from the inside face of bearing to the center of a circular hole.
 - Double check the distance to the other support, using the appropriate support condition.

Depth	Clear Span (ft)	Distance from End Support					Distance from Interior or Cantilever-End Support						
		Hole Diameter					Hole Diameter						
		2"	4"	6"	8"	10"	12"	2"	4"	6"	8"	10"	12"
14"	14'	1'-0"	1'-0"	1'-0"	1'-0"	2'-2"	-	1'-0"	1'-0"	1'-5"	2'-7"	3'-9"	
	18'	1'-0"	1'-0"	1'-0"	1'-9"	4'-6"	-	1'-8"	2'-10"	3'-11"	5'-1"	6'-3"	
	22'	1'-5"	2'-9"	4'-1"	5'-6"	7'-0"	-	4'-2"	5'-4"	6'-5"	7'-7"	8'-9"	
	26'	3'-8"	5'-0"	6'-5"	8'-0"	9'-8"	-	6'-8"	7'-10"	8'-11"	10'-1"	11'-4"	
16"	18'	1'-0"	1'-0"	1'-4"	2'-5"	3'-7"	4'-11"	1'-6"	2'-8"	3'-6"	4'-6"	5'-6"	6'-6"
	22'	1'-4"	2'-5"	3'-6"	4'-9"	6'-1"	7'-5"	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"
	26'	3'-6"	4'-8"	5'-11"	7'-2"	8'-7"	10'-1"	6'-6"	7'-8"	8'-6"	9'-6"	10'-6"	11'-9"
	30'	5'-9"	7'-0"	8'-4"	9'-9"	11'-3"	12'-10"	9'-0"	10'-0"	11'-0"	12'-0"	13'-2"	14'-8"

- DESIGN ASSUMPTIONS:**
- The hole locations listed above are valid for floor joists supporting only uniform loads. The total uniform load shall not exceed 130 plf (e.g. 40 psf Live Load and 25 psf Dead Load spaced 24" oc).
 - Hole location is measured from the inside face of bearing to the center of a circular hole, from the closest support.
 - Clear Span has not been verified for these joists and is shown for informational purposes only! Verify that the joist selected will work for the span and loading conditions needed before checking hole location.
 - The maximum hole depth for circular holes is the I-joist Depth less 4", except the maximum hole depth is 6" for 9-1/2" LPI joists, and 8" for 11-7/8" LPI joists.
 - Holes cannot be located in the span where designated "X", without further analysis by a design professional.
- NOTES:**
- Holes may be placed anywhere within the depth of the joist. A minimum 1/4" clear distance is required between the hole and the flanges.
 - Round holes up to 1-1/2" diameter may be placed anywhere in the web.
 - Perforated joists are NOT permitted for locating web holes.
 - Holes larger than 1-1/2" are not permitted in cantilevers without special engineering.
 - Multiple holes shall have a clear separation along the length of the joist of at least twice the length of the larger adjacent hole, or a minimum of 12" center-to-center, whichever is greater.
 - Multiple holes may be spaced closer provided they are within the boundaries of an acceptable larger hole. Example: two 3" round holes aligned parallel to the joist length may be spaced 2" apart (clear distance) provided that a 3" high by 8" long rectangle or an 8" diameter round hole is acceptable for the joist depth at that location and completely encompass the holes.
 - For conditions not covered in this table, use LP's design software or contact your local LP SolidStart® Engineered Wood Products distributor for more information.



Important Notes: WARNING: Failure to follow proper procedures for handling, storage and installation could result in unsatisfactory performance, unsafe structures and possible collapse.

These instructions are offered as a guide to good practices in the handling, storage and installation of LP® SolidStart® I-Joists, LP SolidStart LVL & LP SolidStart LSL beams. They are, however, solely general recommendations and, in some instances, other or additional precautions may be desirable. In all cases, the procedures used should be as specified by the architect/engineer responsible for the entire building.

This is not intended as a manual for selecting products and assumes that components and details have been specified correctly.

Consult the LP SolidStart I-Joist, LP SolidStart LVL & LP SolidStart LSL brochures or contact your LP SolidStart products distributor for assistance.

All rim joists, blocking, connections and temporary bracing must be installed before erection is allowed on the structure.

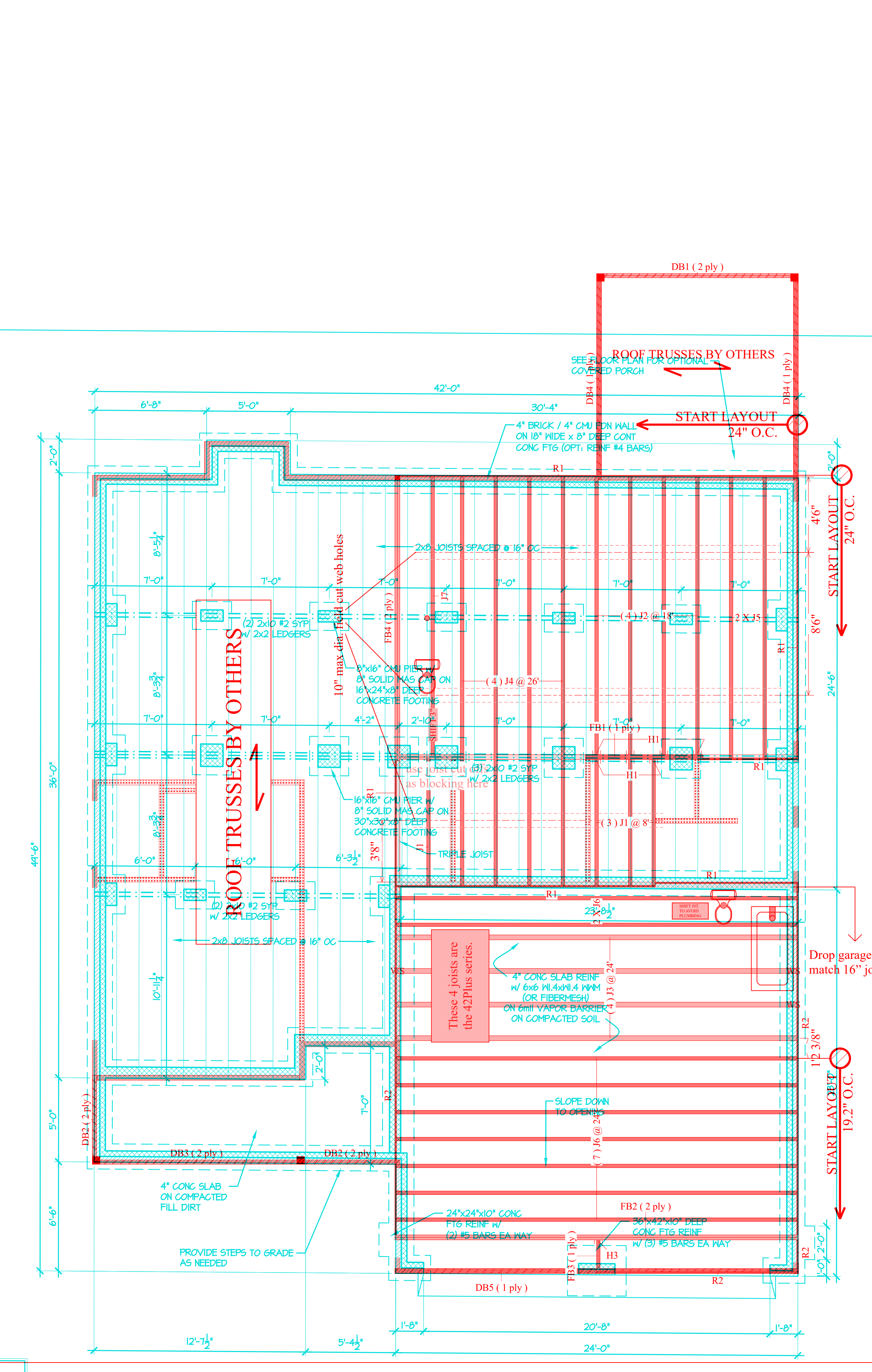
No loads other than the weight of the erectors are to be imposed on the structure before it is permanently sheathed.

After sheathing, do not overload joists with construction materials exceeding design load.

LP SolidStart I-Joists, LP SolidStart LVL & LP SolidStart LSL beams must be used under dry, covered and well ventilated interior conditions in which the equivalent moisture content in lumber will not exceed 16%.

Handling & Storage: Keep LP SolidStart I-Joists, LP SolidStart LVL & LP SolidStart LSL beams dry. Use fabric slings. Do not use sharp edged tools. Do not use chains or cables. Do not use sharp edged tools. Do not use sharp edged tools. Do not use sharp edged tools.

FOUNDATION NOTES: ALL REINFORCING AND CONCRETE MESH OPTIONAL, IT IS THE RESPONSIBILITY OF THE DESIGNER TO PROVIDE THE NECESSARY REINFORCING AND CONCRETE MESH.



2nd Flr Joist (Flush)

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
J4	LPI 20Plus	2.5	14			4	26-0-0
J7	LPI 20Plus	2.5	14			1	18-0-0
J5	LPI 20Plus	2.5	14			2	18-0-0
J2	LPI 20Plus	2.5	14			4	18-0-0
J1	LPI 20Plus	2.5	14			4	8-0-0
FB3	LPI 32Plus	2.5	16			1	2-0-0
J6	LPI 32Plus	2.5	16			9	24-0-0
J3	LPI 42Plus	3.5	16			4	24-0-0

LVL/LSL (Flush)

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
FB1	LP-LSL 1.55E	3.5	14			1	8-0-0
FB2	LP-LVL 2900Fb-2.0E	1.75	16	1	2	2	24-0-0
FB4	LP-LVL 2900Fb-2.0E	1.75	16	1	2	2	18-0-0

LVL/LSL (Dropped)

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
DB4	LP-LSL 1.55E	3.5	9.25			2	12-0-0
DB5	LP-LSL 1.55E	3.5	11.875			1	24-0-0

Beam By Others (Dropped)

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
DB3	[2x10]			1	2	2	14-0-0
DB1	[2x10]			1	2	2	12-0-0
DB2	[2x10]			2	2	4	6-0-0

Rim Board

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
R1	LP APA Rated OSB 1/2" X 48" X 120"	1.125	14			7	12-0-0
R2	LP APA Rated OSB 1/2" X 48" X 120"	1.125	16			5	12-0-0

Hanger

Label	Description	Skew	Slope	fasteners	Supported Member
H1	LP APA Rated OSB 1/2" X 48" X 120"			12 10d	fasteners
H2	LP APA Rated OSB 1/2" X 48" X 120"			14 10d	



THE INFORMATION IN THESE CONNECTION DOCUMENTS IS FOR THE EXCLUSIVE USE OF THE DESIGN PROFESSIONAL OF THE PROJECT AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. IF THE USER OF THESE DOCUMENTS IS NOT THE DESIGN PROFESSIONAL OF THE PROJECT OR NON-COMPLIANCE WITH THE INFORMATION IN THESE DOCUMENTS, THE USER ASSUMES ALL LIABILITY FOR ANY DAMAGE, LOSS, OR INJURY THAT MAY BE CAUSED BY THE USER'S USE OF THESE DOCUMENTS. THE USER SHALL HOLD THE DESIGN PROFESSIONAL OF THE PROJECT AND OTHER RELATED WORK AS REPRESENTED BY THE DESIGNER TO THE CLERK.

2ND FLOOR FRAMING

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

DATE: NOVEMBER 2012

PLAN NO: CL 2344

SHEET NO: 3



2160 Satellite Blvd., Suite 450
Duluth, GA 30097
888-613-5078



Dealer
84 Lumber-Fayetteville #2307
620 Belt Road
Fayetteville, NC 28301
(910) 867-9185

Project
CL2344 GR CP

Created
February 19, 2020

Layout Name
CL2344 GR CP

Description
Caviness Land
CL2344 GR CP

Designer
Kyle Militzer

Revised
April 06, 2020

2nd Flr
Design Method ASD (USA)
Building Code IBC/IRC 2015

Floor
Loads
Live 40
Dead 10

Deflection Joist
LL Span L/ 480
TL Span L/ 240
LL Cant 2L/ 240
TL Cant 2L/ 180

Deflection Girder
LL Span L/ 360
TL Span L/ 240
LL Cant 2L/ 240
TL Cant 2L/ 180

Decking
OSB
23/32 APA Rated Sturd-I-Floor
Nailed & Glued

Fastener Legend

- Web Stiffener
- 3.5" Ext Wall
- 3.5" Int Wall
- 3.5" Non-Brg Wall
- 5.5" Non-Brg Wall
- LP APA Rated OSB 1.125 X 14
- LP APA Rated OSB 1.125 X 16
- LPI 20Plus 14
- LPI 32Plus 16
- LPI 42Plus 16
- LP-LSL 1.55E 3.5 X 9.25 (Dropped)
- LP-LSL 1.55E 3.5 X 11.875 (Dropped)
- LP-LSL 1.55E 3.5 X 14
- LP-LVL 2900Fb-2.0E 1.75 X 16
- 1.5 X 9.25 (Dropped)

Calculated Structured Designs