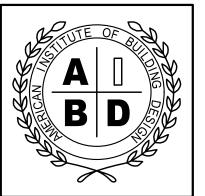
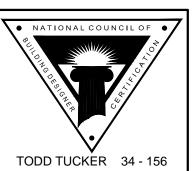
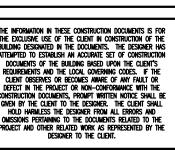


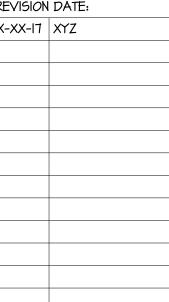


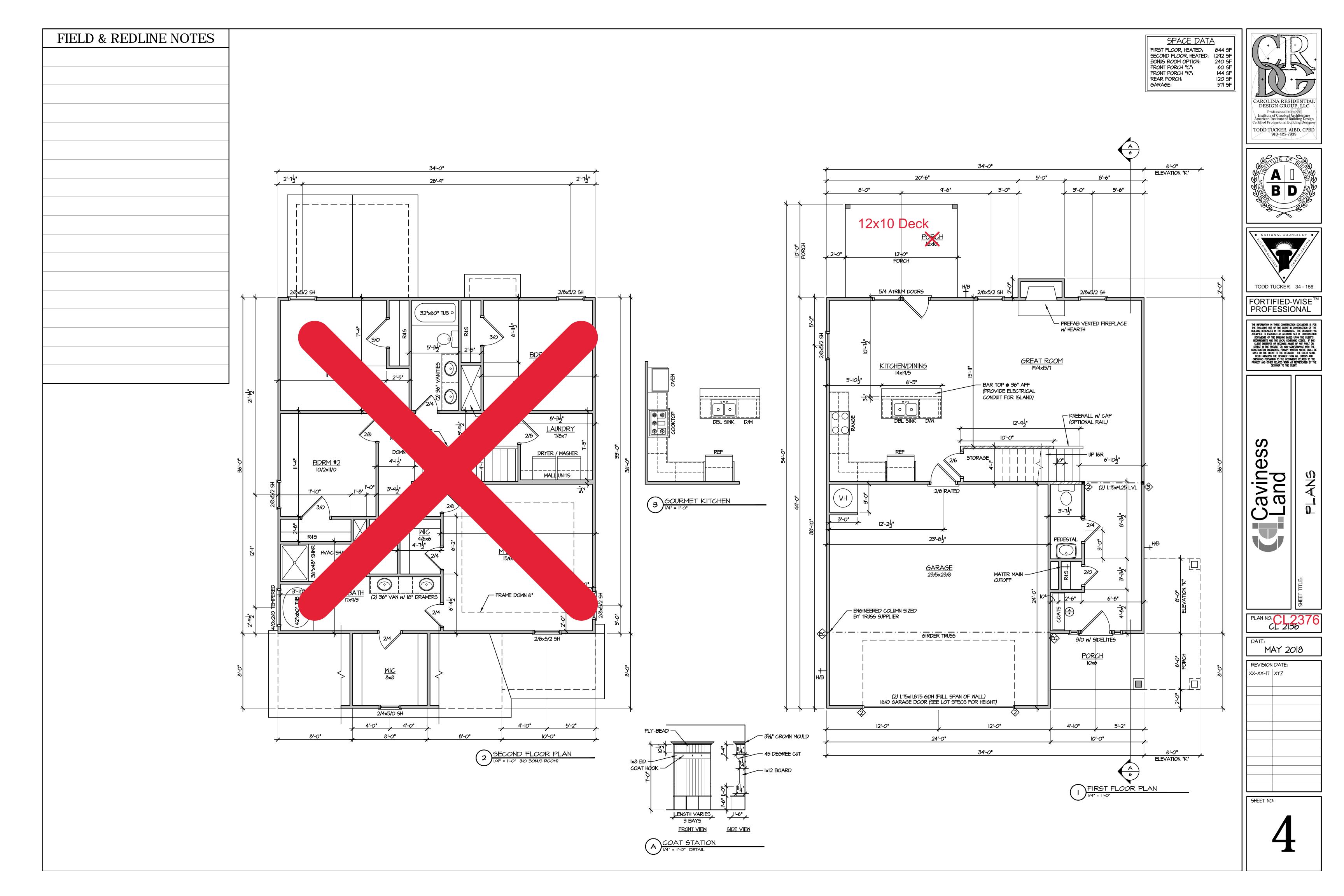
CAROLINA RESIDENTIAL DESIGN GROUP, LLC Professional Member Institute of Classical Architecture American Institute of Building Design Certified Professional Building Designer TODD TUCKER, AIBD, CPBD 910-425-7939

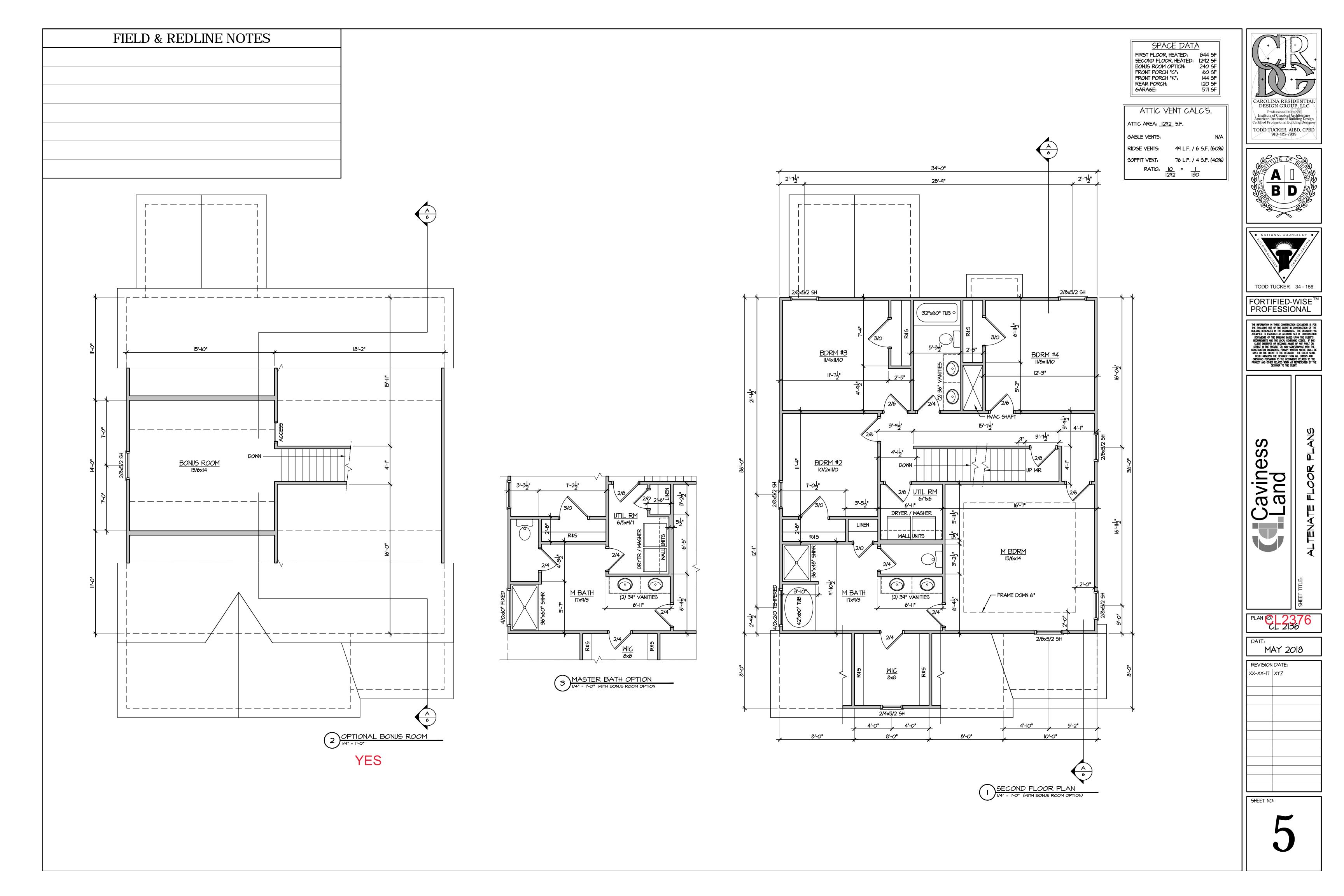












VENTILATION NOTES: CRAWL SPACE AREA: <u>844</u> S.F. 1500 S.F. PER I S.F. VENTS = 0.6 S.F. REQUIRED VENTS W V.B. + ONE VENT WITHIN 3' OF EA. CORNER= 2 VENT

## FOUNDATION PLAN NOTES:

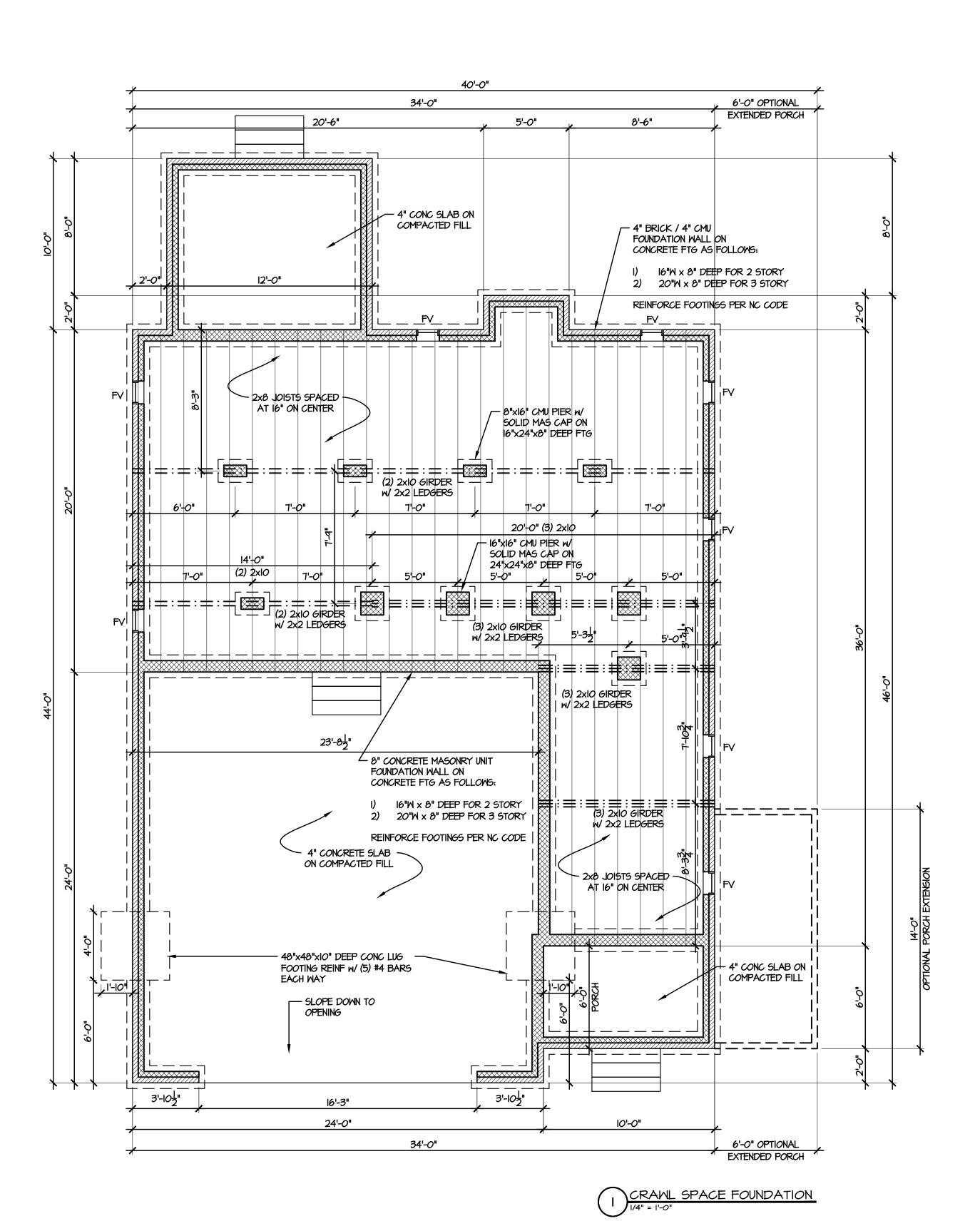
# DOUBLE JOISTS UNDER ALL PARTITIONS

2. SILL TO BE P.T. WOOD 2x6

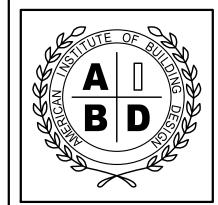
3. MAINTAIN MIN 12" BELOW GIRDERS

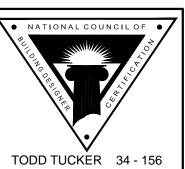
- # 18" BELOW JOISTS TO GRADE OR AS REQUIRED FOR MECHANICAL EQUIPMENT 4. PROVIDE VAPOR BARRIER AT CRAWL SPACE
- 5. FOUNDATION VENTS TO BE 8"HT.xI6"WD. W 50 SQ. IN. MIN. FREE VENT AREA
- 6. CRAWL SPACE ACCESS TO BE 22"x36" MIN CLEAR OPENING (FIELD-LOCATE)
- I. GIRDERS TO BE FLUSH FRAMED (SIZE AS
- 8. ANCHOR BOLTS @ 6'-O" O.C. AND I'-O" 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

IO. FRAMING SPANS BASED ON #2 SPF

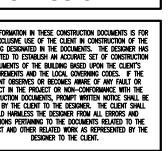


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FORTIFIED-WISE™ PROFESSIONAL



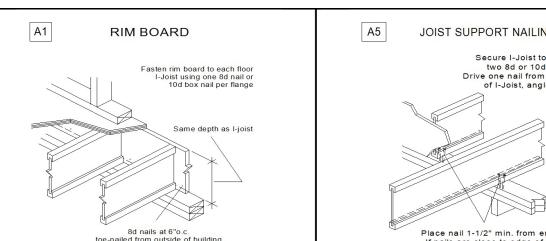
S (1) Vind

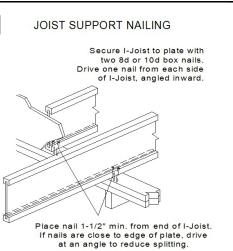
CL <del>2136</del>

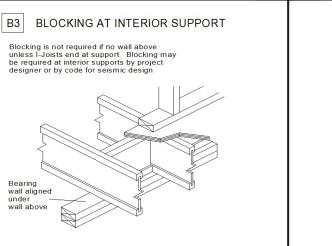
MAY 2018

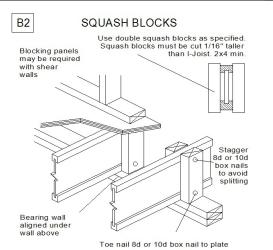
REVISION DATE: 7-30-18 CRAWL SPACE FDN

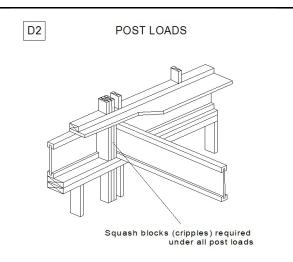
SHEET NO:

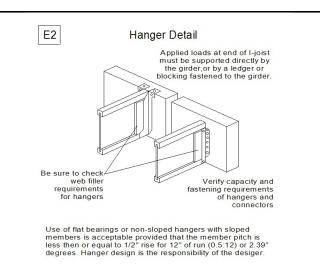


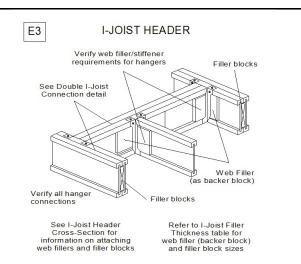


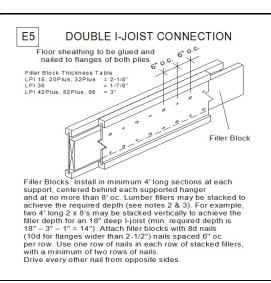












Width

2.5

2.5

Width

2.5

Skew

Depth

Depth

Depth

Depth

Slope

Qty

Qty

Qty

Qty

Qty

2nd Flr

I Joist (Flush)

Label Description

J1 LPI 20 Plus

J4 LPI 32 Plus

J2 LPI 32 Plus

Label Description

LVL/LSL (Dropped)

Label Description

Beam By Others (Dropped)

Label Description

Label Description

Label Description

B1 LPI 20 Plus

Rim Board

Blocking

FB3 LP-LVL 2900Fb-2.0I

HD2 LP-LVL 2900Fb-2.03

HD1 LP-LVL 2900Fb-2.0E

LP APA Rated OSB

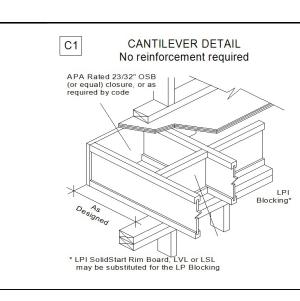
Pcs Description

17 | IUS2.56/14 (Min)

.125 X 14

FB2 LP-LVL 2900Fb-2.0E

LVL/LSL (Flush)



Plies

Plies

Plies

Plies

Plies

Plies

Beam/Girder

fasteners

12 10d

Pcs

15

12

Pcs

Pcs

Pcs

Pcs

Pcs

Varies

12

Length

16-0-0

20-0-0

18-0-0

Length

12-0-0

Length

15-0-0

Supported Member

fasteners



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





Dealer	
84 Lumber	-Fayetteville #2307
Dealer Ac	ldress
620 Belt R	oad
Fayetteville	e, NC 28301
(910) 867-9	9185
Project	
CL2376 - 2	265 Forest - GR

Created February 20, 2020 Layout Name CL2376 - 265 Forest - GR Description Caviness Land

> Designer Kyle Militzer Revised

CL2376 - 265 Forest - GR

November 23, 2021 2nd Flr Design Method

Building Code **IBC/IRC 2015** Deflection Joist LL Span L/ TL Span L/ LL Cant 2L/ TL Cant 2L/ Deflection Flush Girder LL Span L/ TL Span L/ LL Cant 2L/ TL Cant 2L/

ASD (USA)

240

180

240

240

180

240

240

180

240

180

Deflection Dropped Girder LL Span L/ TL Span L/ LL Cant 2L/ TL Cant 2L/ Deflection Header LL Span L/ TL Span L/

LL Cant 2L/ TL Cant 2L/ Decking Decking

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

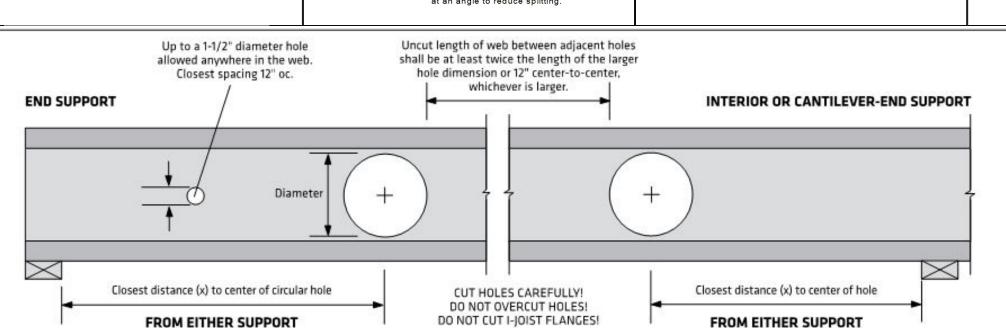
Legend Web Stiffener WS -WS In Hanger Label Denotes Web Stiffener Point Load Support Load From Above

Exterior Bearing Wall Interior Bearing Wall Non-Bearing Wall LP OSB/LSL Rim (Color Varies) LPI 32 I Joist

LPI 18/20 I Joist LPI 42/56 I Joist Triforce/Open Joist (Color Varies) Bailey ProJoist TE Truss Dropped Beam (Color Varies By Product) Flush Beam (Color Varies By Product)

Field Framed Pony Wall

Column



# 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 Hole Diameter					Distance from Interior or Cantilever-End Support Hole Diameter						
													2"
		14"	14'	1'-0"	1'-0"	1'-0"	1'-0"	2'-2"	-	1'-0"	1'-0"	1'-5"	2'-7"
18'	1'-0"		1'-0"	1'-9"	3'-1"	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"

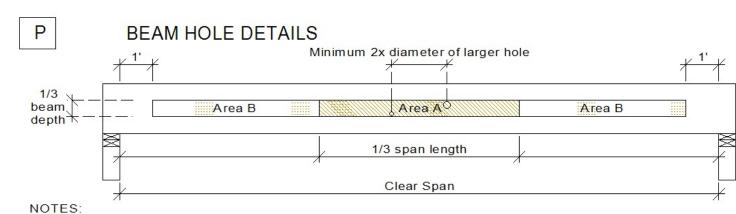
# DESIGN ASSUMPTIONS:

- 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. 4. 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 "-", without further analysis by a design professional.

 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.
- 4. Holes larger than 1-1/2" are not permitted in cantilevers without special engineering.
- 5. 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.

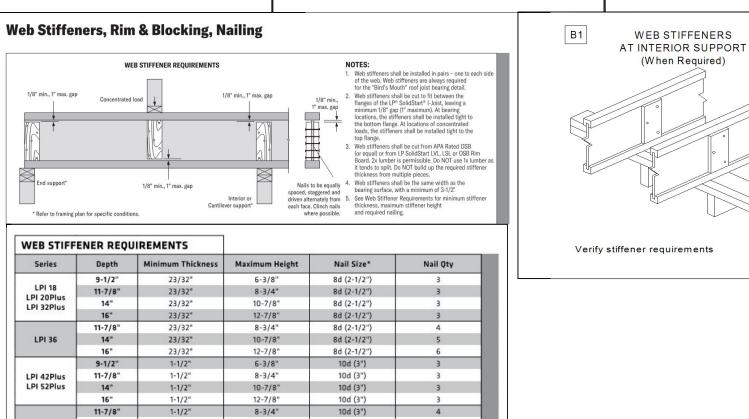


- 1. These guidelines apply to uniformly loaded beams selected from the Quick Reference Tables or the Uniform Load Tables or designed with LP's design/specification software only. For all other applications, such as beams with concentrated loads, please contact your LP® SolidStart® Engineered Wood Products distributor for assistance.
- 2. Round holes can be drilled anywhere in "Area A" provided that: no more than four holes are cut, with the minimum spacing described in the diagram. The maximum hole size is 1-1/2" for depths up to 9-1/4," and 2" for depths greater than 9-1/4." 3. Rectangular holes are NOT allowed.
- 4. DO NOT drill holes in cantilevers without prior approval from the project designer. 5. Other hole sizes and configurations MAY be possible with further engineering analysis. For more information, contact your
- LP SolidStart Engineered Wood Products distributor. 6. Up to three 3/4" holes may be drilled in "Area B" to accommodate wiring and/or water lines. These holes shall be at least
- 12" apart. The holes shall be located in the middle third of the depth, or a minimum of 3" from the bottom and top of the beam. For beams shallower than 9-1/4", locate holes at mid-depth. 7. Protect plumbing holes from moisture.

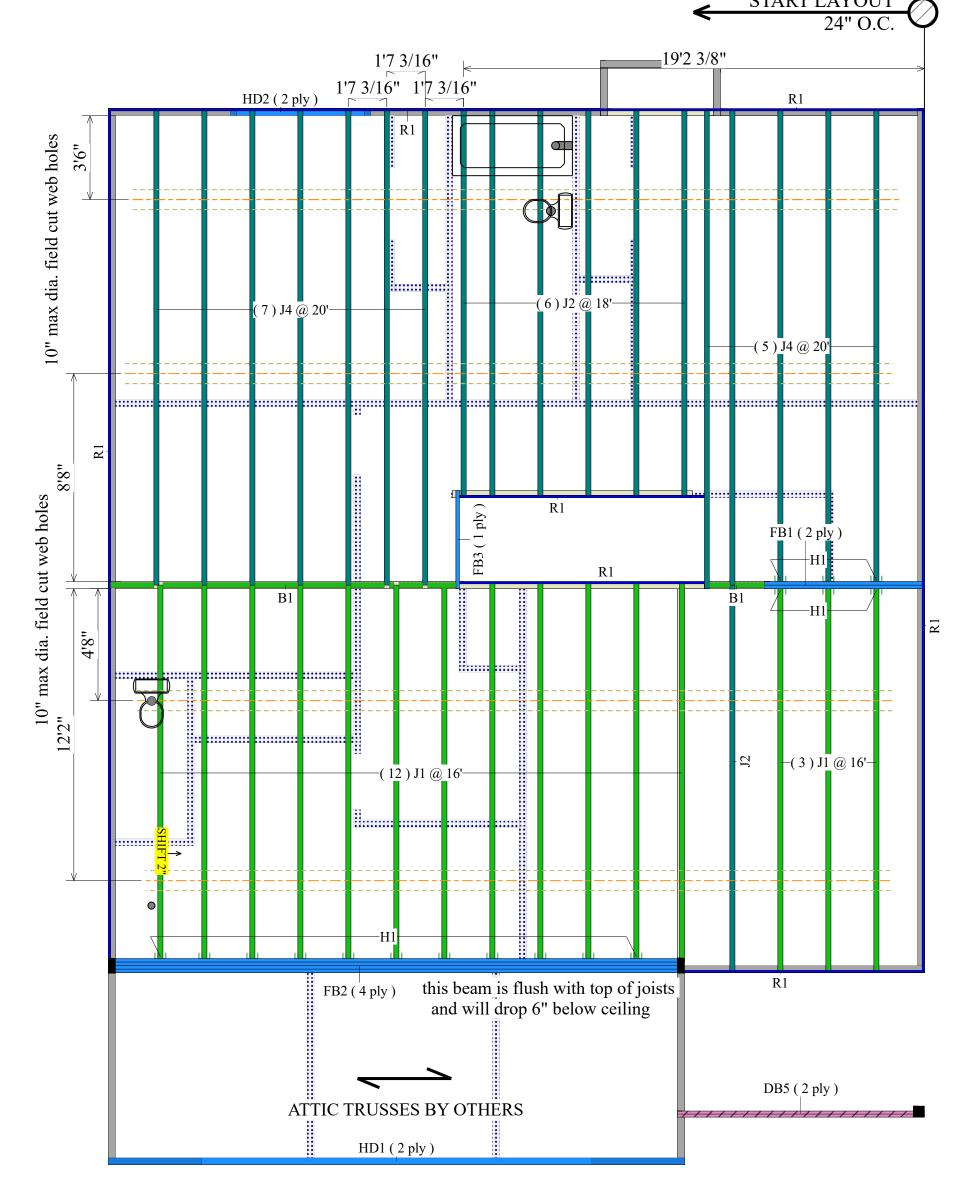
### mportant Notes WARNING: Failure to follow proper procedures for handling, storage and installation could result in unsatisfactory performance, unsafe structures and possible collapse These instructions are offered as a guide to good practice in the handling, storage and installation of LP® SolidStart® 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
- erectors 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%.
- landling & 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



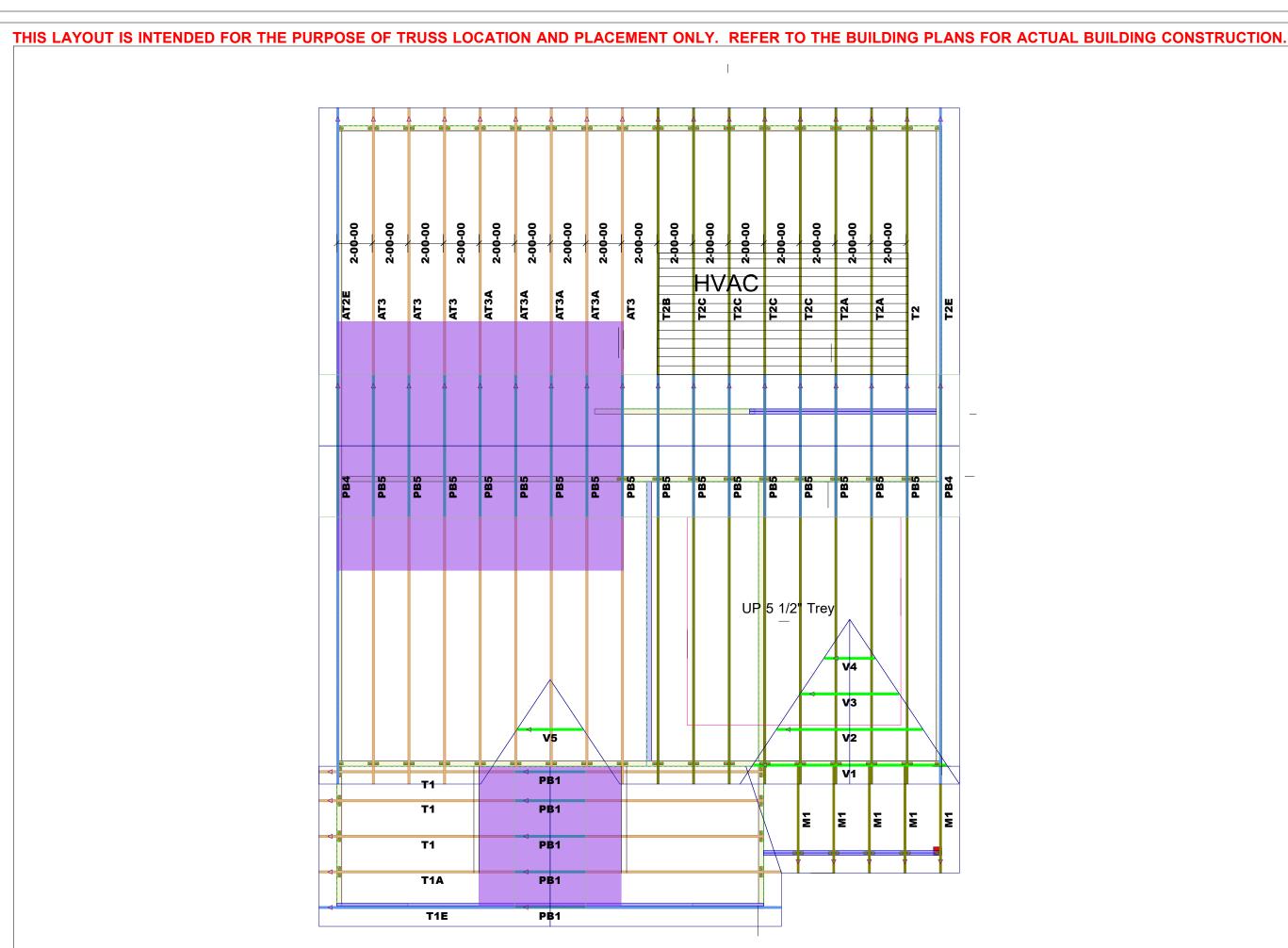
1-1/2" 10-7/8" 10d (3") 1-1/2" 12-7/8" 10d (3")



# **2ND FLOOR FRAMING**

SCALE: 1/4'' = 1'

products are encountered.





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

 $\overline{\mathcal{O}}$ Development Back

СР

Tray Master

2136

5

Land

Caviness

Д

 $\frac{9}{2}$ PRAWN BY: Rodney Evans СР Up

N.T.S

8/20/2019

Walk 2376 иоте #: 1801412

TOP LIVE LOAD: 20.0 lb/ft²

TOP DEAD LOAD: 10.0 lb/ft2

BOTTOM DEAD LOAD: 10.0 lb/ft2

WIND SPEED: 130 mph

- DO NOT CUT OR MODIFY TRUSSES
- TRUSSES ARE SPACED 24" ON CENTER UNLESS OTHERWISE NOTED
- 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 RESPONSIBILE FOR TRUSS
TO TRUSS CONNECTIONS AND TRUSS PLY TO PLY CONNECTIONS. THIS
TRUSS PACAGEMENT PLAN RECOMMENDS TRUSS 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.

1st Level Roof Area 2nd Level Roof Area 414.35