

FIELD & REDLINE NOTES

LIST OF SYMBOLS

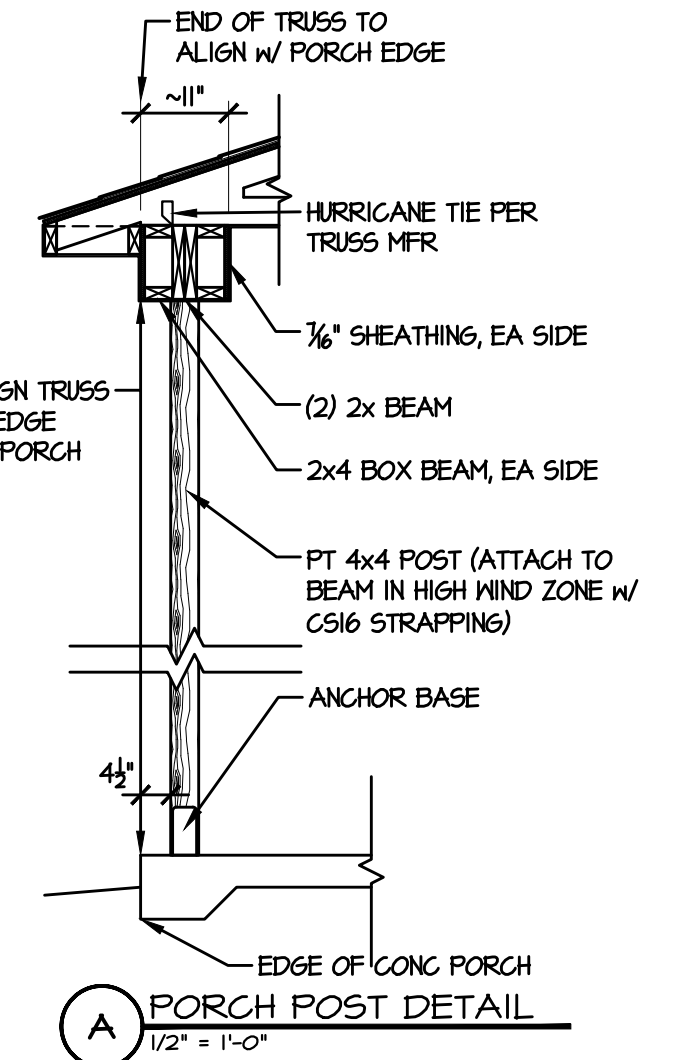
	SECTION MARK		DATUM ELEVATION
	DETAIL MARK		SLOPE UP PITCH
	TITLE MARK		EARTH
	INTERIOR BEARING WALL		INSULATION
	STANDARD WALL		NUMBER OF GANG STUDS IN WALL
	ENGINEERED COLUMN SPEC'D BY OTHERS		INTERIOR WALL POINT LOAD

LIST OF ABBREVIATIONS

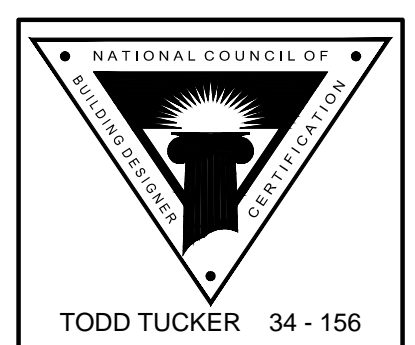
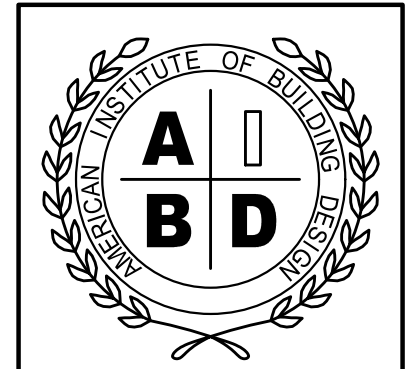
ACCESS AFF	ACCESS TO ATTIC OR CRAWL SPACE ABOVE FLOOR	DN EQ	DISH WASHER EQUAL	PCKT PERF	ROCKET DOOR PERFORATED	T.C.	TOP CHORD
BD	BOARD	FDN	FOUNDATION	PL	PLATE	TON	TOP OF WALL
BDRM	BEDROOM	FV	FOUNDATION VENT	PL	PRESSURE TREATED FOR EXPOSURE POINT LOAD (SOLID BLOCK)	TRANS	TRANSOM
BM	BEAM	GL	GLASS (DOOR)	R4S	ROD & SHELF (CLOSETS)	TYP	TYPICAL
CAB	CABINETS / CABINERY	HB	HOSE BIB	REF	REFRIGERATOR	UN	UNLESS OTHERWISE NOTED
CJ	CONTROL JOINT	HDR	DOOR / WINDOW / OPENING HEADER	REINF	REINFORCEMENT	V.B.	VAPOR BARRIER
CL	CENTERLINE	HVAC	HEATING, VENTING & AIR CONDITION	RM	ROOM	VAN	VANITY
CMU	CONCRETE MASONRY UNIT	KNALL	KNEEWALL	SEG	SEGMENTED	W	WIDE
CO	CLEAR OPENING	LVL	LAMINATED VENEER LUMBER	SHWR	SHOWER	W	WITH
COL	COLUMN	MANF	MANUFACTURED MASONRY	SHLV(S)	SHELVE(S)	W	WITH
CONC	CONCRETE	MAS	MASONRY	SPEC(D)	SPECIFICATION / SPECIFIED	W	WITH
CSMT	CASEMENT	NIC	NOT IN CONTRACT	SQ	SQUARE	W	WITH
DBL	DOUBLE	OC	ON CENTER	SST	SIMPSON STRONG-TIE OR EQUAL	W	WITH
DIAM	DIAMETER	OH	OVERHANG	SUBFLR	SUB-FLOOR	W	WITH
DHSH	DOUBLE HUNG / SINGLE HUNG WINDOW	OPNG	OPENING	5YP	SOUTHERN YELLOW PINE	W	WITH
DN	DOWN					W	WITH
DP	DEEP					W	WITH

SUMMARY

PROJECT INFO	CL 2136
NAME OF PROJECT:	TBD
PROJECT ADDRESS:	RESIDENTIAL
PROPOSED USE:	GAVINESS LAND, INC
CONTACT:	
CODE COMPLIANCE:	2018 NC STATE RESIDENTIAL BUILDING CODE
PROJECT COORDINATOR:	TBD
DESIGNER:	TODD TUCKER, AIBD, CPBD 910-366-2636
BUILDING DESCRIPTION	
FIRST FLOOR, HEATED:	844 SF
SECOND FLOOR, HEATED:	1242 SF
BONUS ROOM OPTION:	240 SF
FRONT PORCH "C":	60 SF
FRONT PORCH "K":	144 SF
REAR PORCH:	120 SF
GARAGE:	571 SF
BUILDING HEIGHT:	+/- 31'-4"
NUMBER OF FLOOR:	2 (2.5 WITH BONUS ROOM)
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 NC: ASCE 7-05 FOR SC: ASCE 7-13



1 FRONT ELEVATION "K" 1/2" = 1'-0"



FORTIFIED-WISE™ PROFESSIONAL

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Caviness Land

PLAN NO. **CL2376**
CL 2136

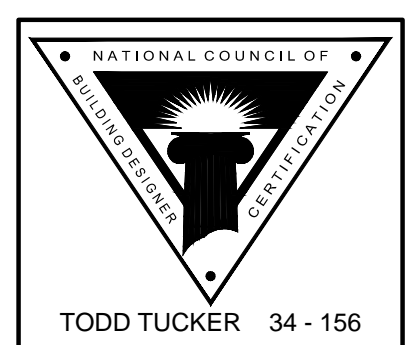
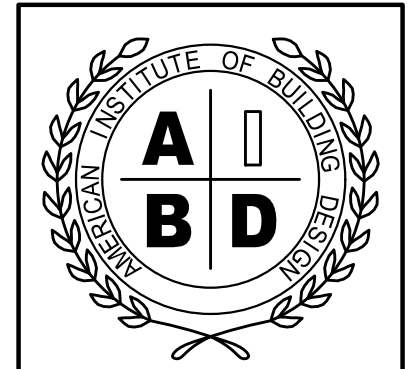
DATE: **MAY 2018**

REVISION DATE:
XX-XX-17 XYZ

SHEET NO. **1**

FIELD & REDLINE NOTES

SPACE DATA	
FIRST FLOOR, HEATED:	844 SF
SECOND FLOOR, HEATED:	1242 SF
BONUS ROOM OPTION:	240 SF
FRONT PORCH "C":	60 SF
FRONT PORCH "K":	144 SF
REAR PORCH:	120 SF
GARAGE:	571 SF



FORTIFIED-WISE PROFESSIONAL

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Caviness Land
PLANS

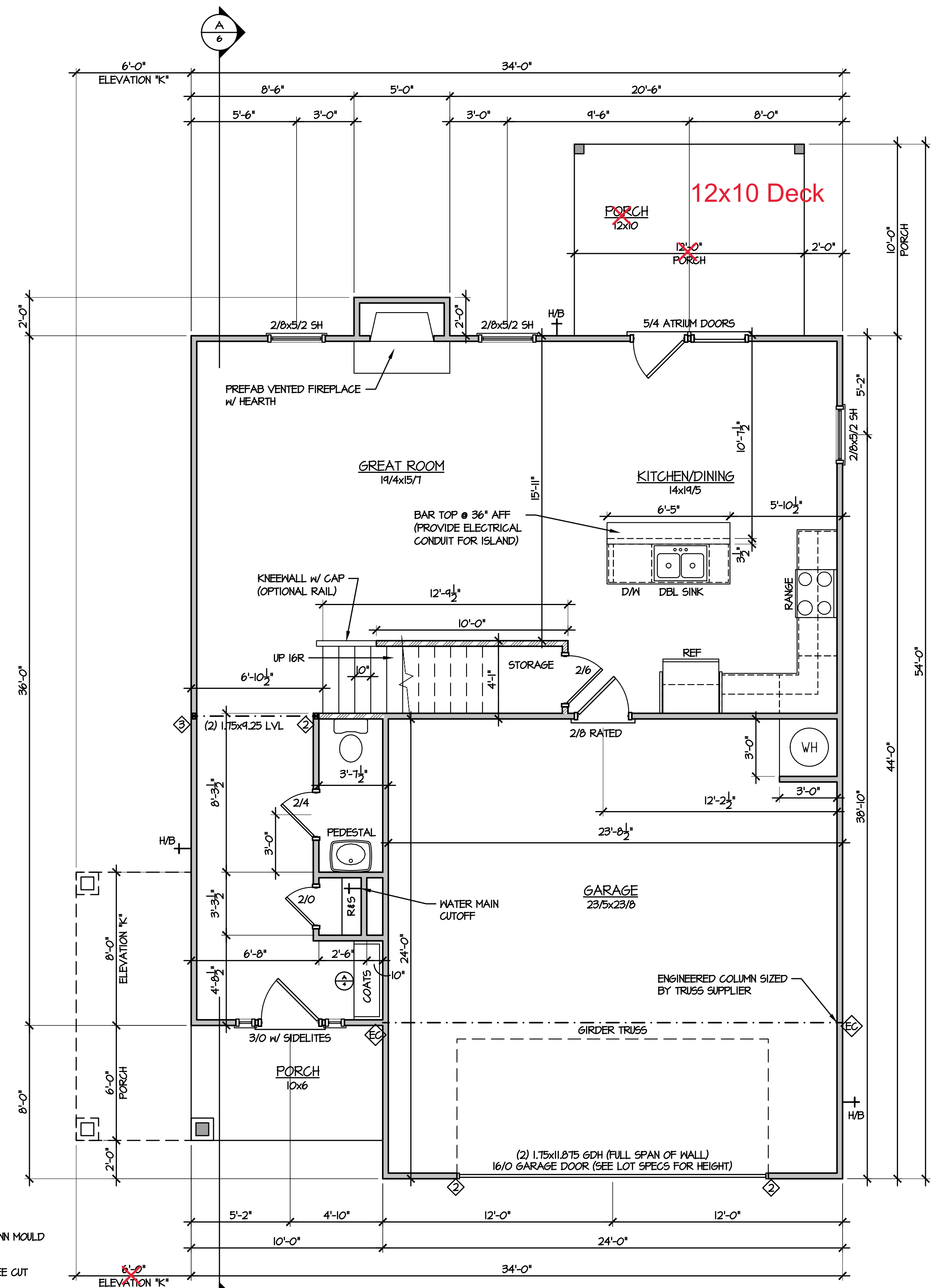
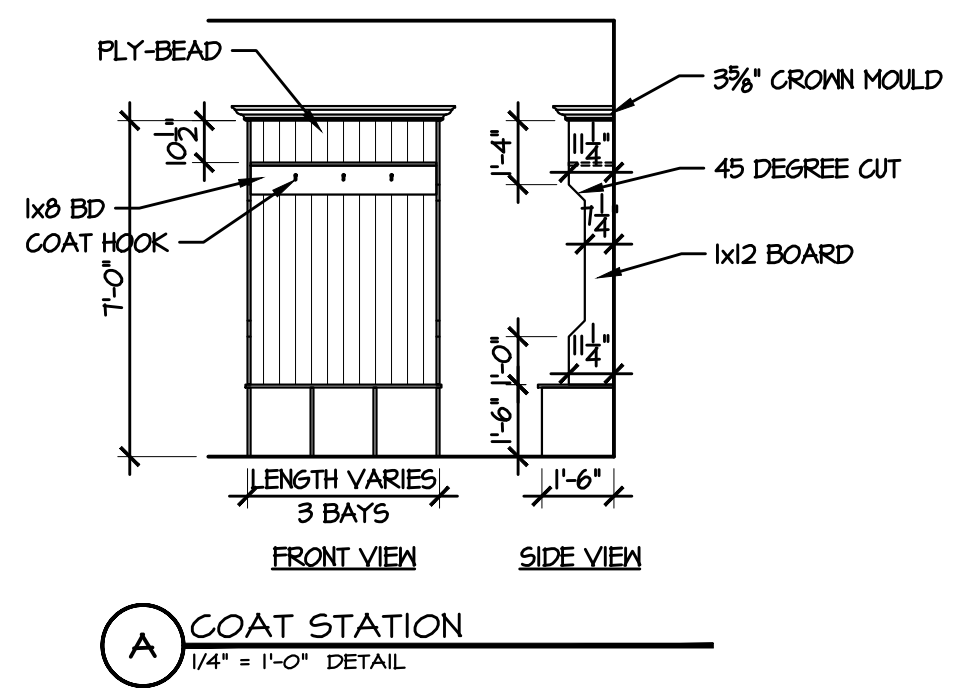
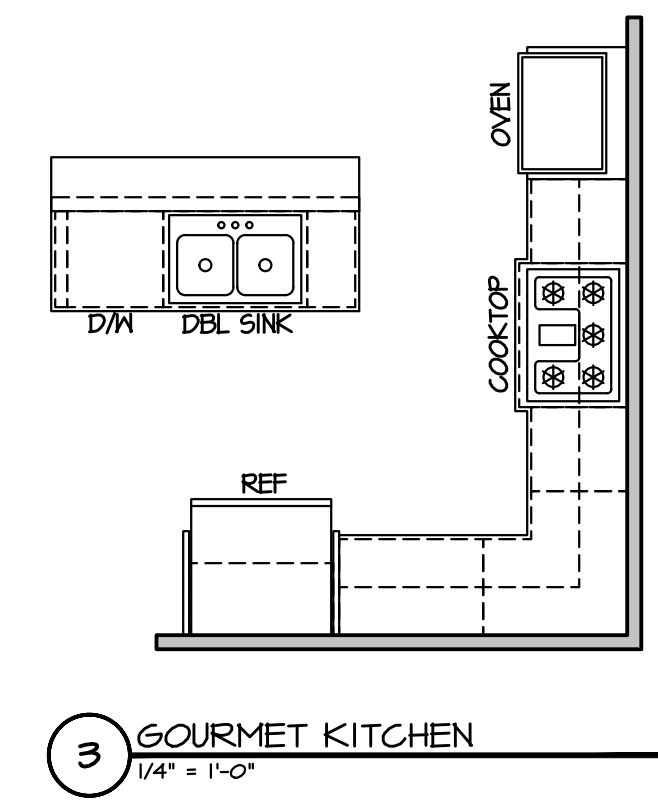
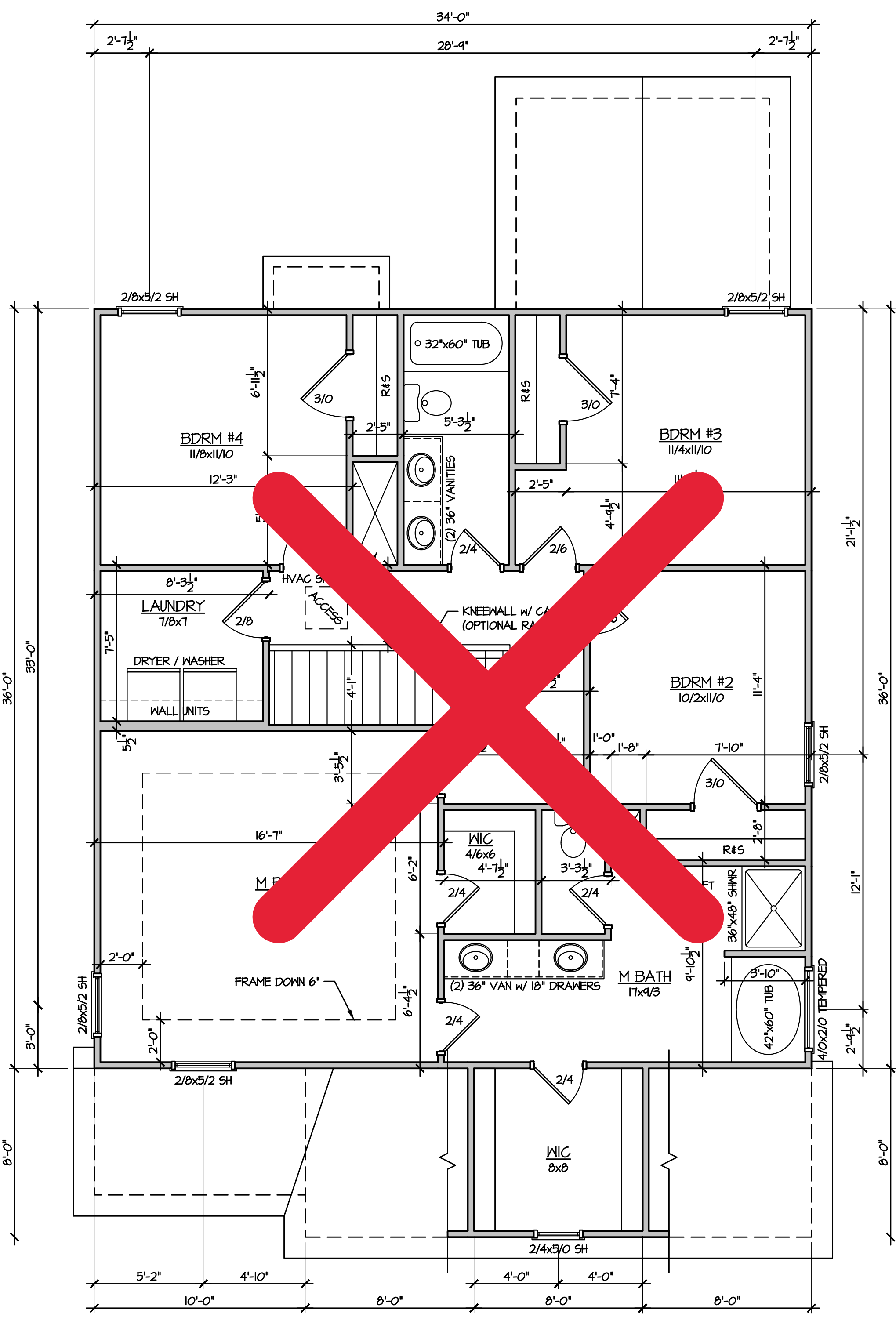
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CL 2136

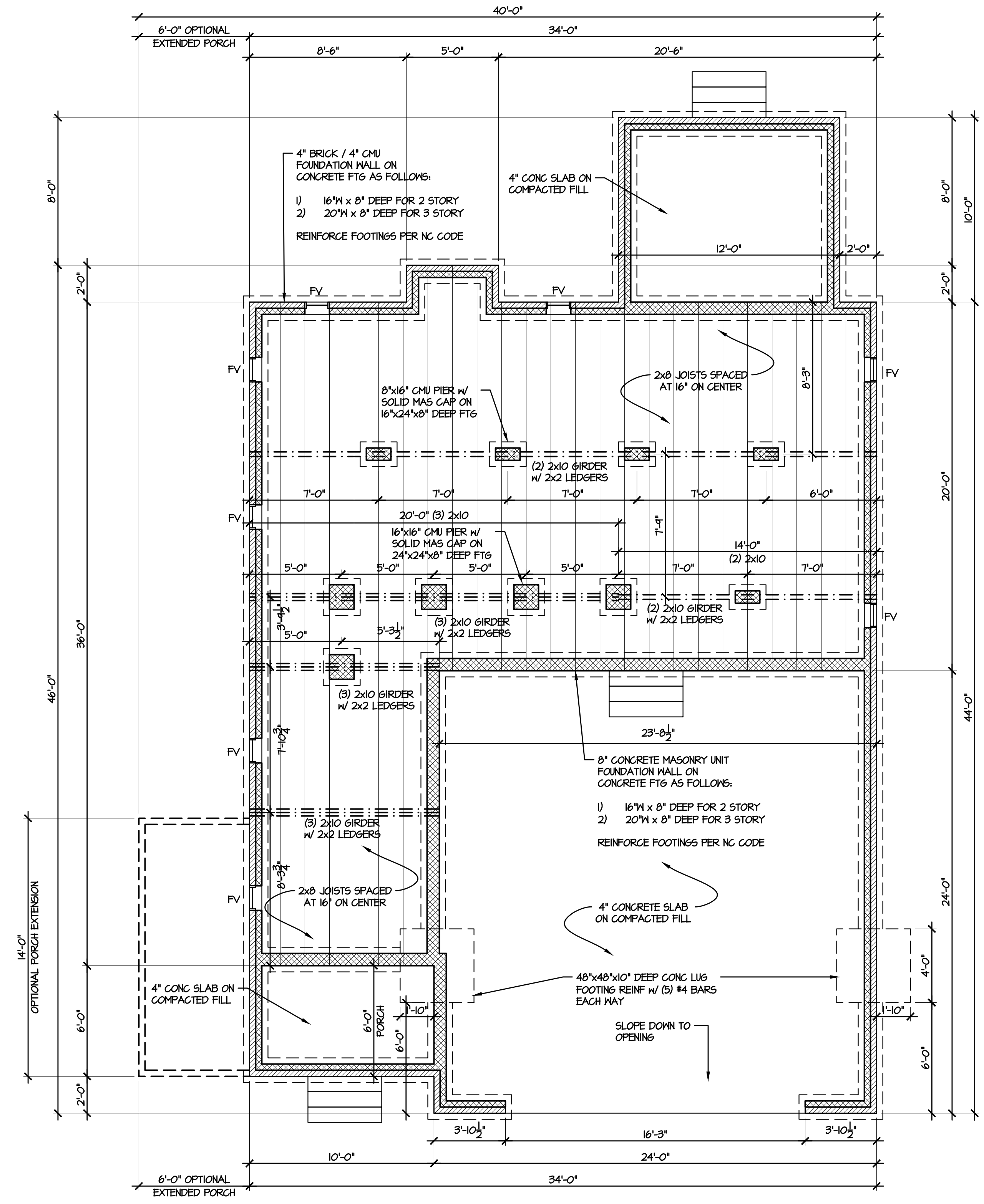
DATE: **MAY 2018**

REVISION DATE:
XX-XX-17 XYZ

SHEET NO:

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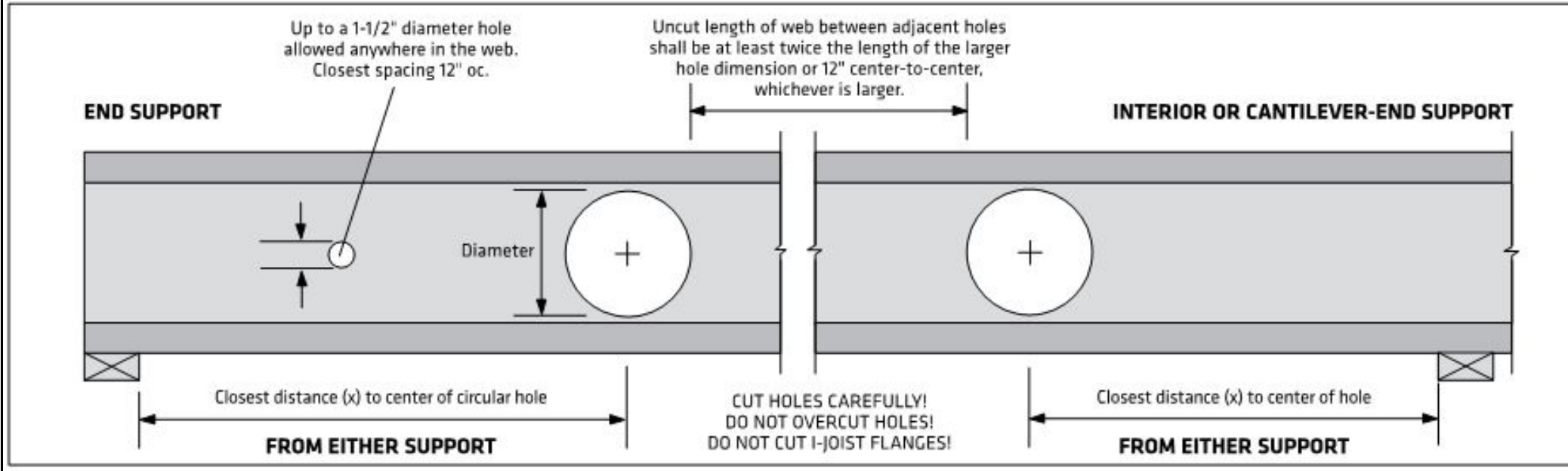
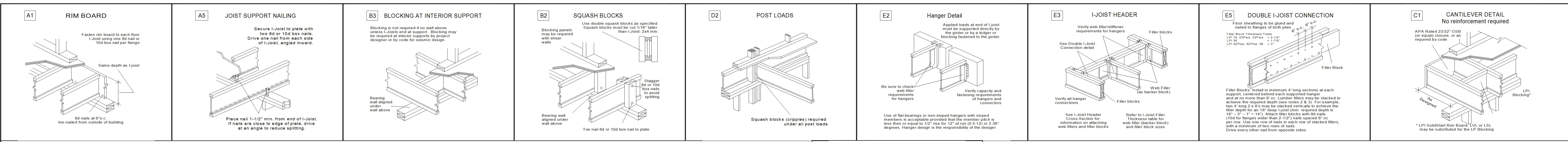




1 CRAWL SPACE FOUNDATION
1/4" = 1'-0"

VENTILATION NOTES:
CRAWL SPACE AREA: 844 SF.
1500 SF. PER 1 SF. VENTS = 0.6 SF.
REQUIRED VENTS W/ V.B. + ONE VENT
WITHIN 3' OF EA. CORNER = 2 VENT

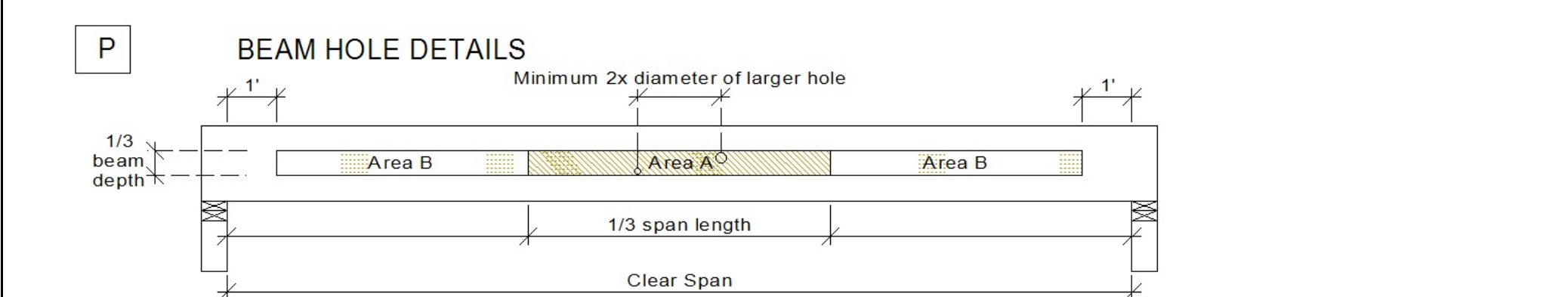
- FOUNDATION PLAN NOTES:**
- DOUBLE JOISTS UNDER ALL PARTITIONS
 - SILL TO BE P.T. WOOD 2x6
 - MAINTAIN MIN 12" BELOW GIRDERS
18" BELOW JOISTS TO GRADE OR AS
REQUIRED FOR MECHANICAL EQUIPMENT
 - PROVIDE VAPOR BARRIER AT CRAWL SPACE
 - FOUNDATION VENTS TO BE 8"x16" WD. W/
50 SQ. IN. MIN. FREE VENT AREA
 - CRAWL SPACE ACCESS TO BE 22"x36"
MIN CLEAR OPENING (FIELD-LOCATE)
 - GIRDERS TO BE FLUSH FRAMED (SIZE AS
NOTED)
 - ANCHOR BOLTS @ 6'-0" O.C. AND 1'-0" FROM
EACH CORNER (EMBED 8" MIN. IN SOLID GROUT)
 - GC TO REVIEW TRUSS SHOP DRAWINGS &
NOTIFY DESIGNER IF REQUIRED POINT LOAD
PIERS OR BEARING WALLS ARE ADDED TO
FOUNDATION PLAN
 - FRAMING SPANS BASED ON #2 SPF



- 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'-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'-6"	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 "N", 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.



- NOTES:**
- 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.
 - 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".
 - Rectangular holes are NOT allowed.
 - DO NOT drill holes in cantilevers without prior approval from the project designer.
 - Other hole sizes and configurations MAY be possible with further engineering analysis. For more information, contact your LP SolidStart Engineered Wood Products distributor.
 - 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.
 - Protect plumbing holes from moisture.

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 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 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.

Use fabric slings. Align stickers one above the other. Hard, dry, level surface. 10' max. 5' min. 10' min.

Web Stiffeners, Rim & Blocking, Nailing

WEB STIFFENER REQUIREMENTS

1. Web stiffeners shall be installed as specified - one to each end of the web. Web stiffeners are those required for the Rim Board and post bearing detail. Web stiffeners shall be installed in the flanges. The flanges of the LP SolidStart I-joist, having a minimum 1/2" gap between adjacent web stiffeners. The stiffeners shall be installed light to the member flange. No bearing is permitted on the flange.

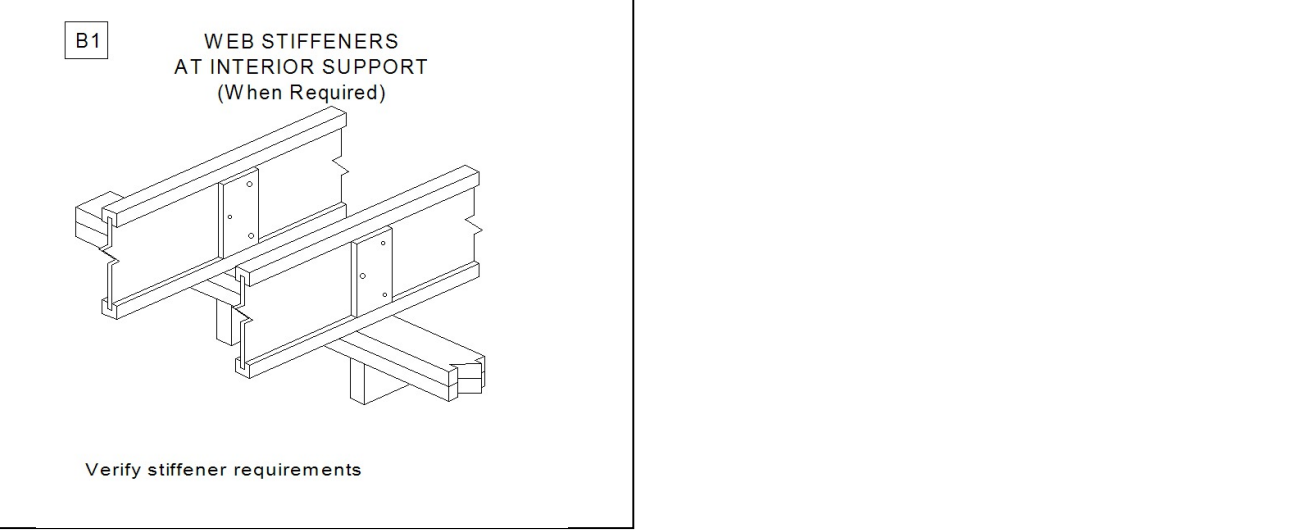
2. Web stiffeners shall be cut from 2x4, 2x6, 2x8 or equal to meet LP SolidStart LVL or OSB flange to meet a minimum of 1/2" gap between stiffeners. Do NOT cut a member as a web stiffener. Web stiffeners shall be installed in the flanges. The flanges of the LP SolidStart I-joist, having a minimum 1/2" gap between adjacent web stiffeners. The stiffeners shall be installed light to the member flange. No bearing is permitted on the flange.

3. Web stiffeners shall be spaced with the bearing surface, with a minimum of 1/2" gap. Spacing shall be as specified in the table below. Spacing shall be as specified in the table below. Spacing shall be as specified in the table below.

WEB STIFFENER REQUIREMENTS

Series	Depth	Minimum Thickness	Maximum Height	Nail Size*	Nail Qty
LPI 18	9-1/2"	23/32"	8-3/8"	8d (2-1/2")	3
LPI 20Plus	10-7/8"	23/32"	8-3/8"	8d (2-1/2")	3
LPI 22Plus	14"	23/32"	10-7/8"	8d (2-1/2")	3
LPI 36	18"	23/32"	12-7/8"	8d (2-1/2")	3
	16"	23/32"	10-7/8"	8d (2-1/2")	5
LPI 42Plus	9-1/2"	1-1/2"	8-3/8"	10d (3")	3
	10-7/8"	1-1/2"	8-3/4"	10d (3")	3
LPI 52Plus	14"	1-1/2"	10-7/8"	10d (3")	3
	16"	1-1/2"	10-7/8"	10d (3")	3
LPI 56	11-7/8"	1-1/2"	8-3/4"	10d (3")	4
	14"	1-1/2"	10-7/8"	10d (3")	5
	16"	1-1/2"	10-7/8"	10d (3")	6

*Nails may be Box or Common.



2nd Flr I Joist (Flush)

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
J1	LPI 20 Plus	2.5	14			15	16-0-0
J4	LPI 32 Plus	2.5	14			12	20-0-0
J2	LPI 32 Plus	2.5	14			7	18-0-0

LVL/LSL (Flush)

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
FB1	LP-LVL 2900Fb-2.0E	1.75	14	1	2	2	8-0-0
FB3	LP-LVL 2900Fb-2.0E	1.75	14			1	6-0-0
FB2	LP-LVL 2900Fb-2.0E	1.75	20	1	4	4	24-0-0

LVL/LSL (Dropped)

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
HD2	LP-LVL 2900Fb-2.0E	1.75	9.25	1	2	2	6-0-0
HD1	LP-LVL 2900Fb-2.0E	1.75	11.875	1	2	2	24-0-0

Beam By Others (Dropped)

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
DB5	[2x10]			1	2	2	16-0-0

Rim Board

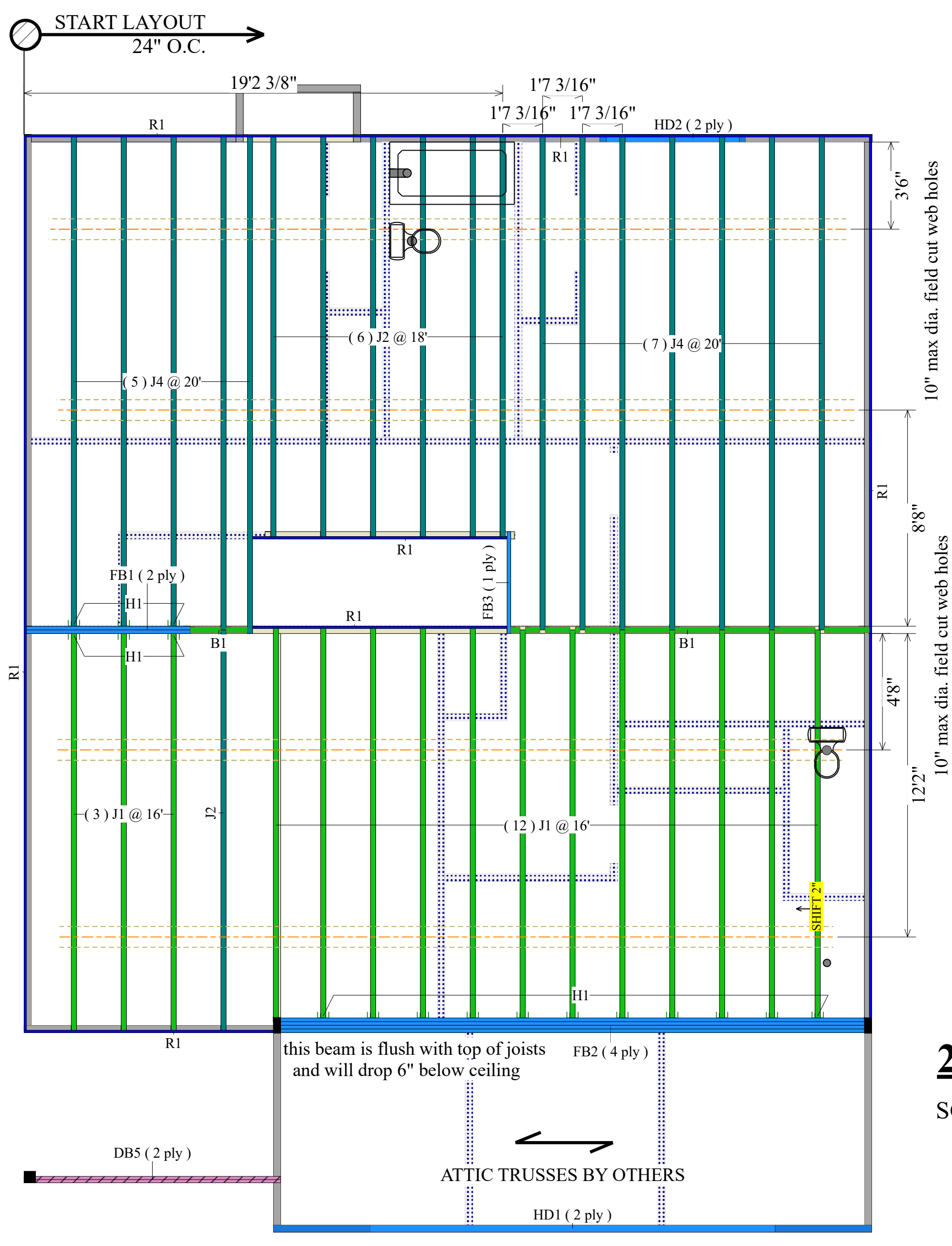
Label	Description	Width	Depth	Qty	Plies	Pcs	Length
R1	LP APA Rated OSB 1.125 X 14	1.125	14			12	12-0-0

Blocking

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
B1	LPI 20 Plus	2.5	14			Varies	15-0-0

Hanger

Label	Pcs	Description	Skew	Slope	fasteners	Supported Member
H1	17	IUS2.56/14 (Min)			12 10d	fasteners



2ND FLOOR FRAMING

SCALE: 1/4" = 1'



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



Dealer
84 Lumber-Fayetteville #2307

Dealer Address
620 Belt Road
Fayetteville, NC 28301
(910) 867-9185

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

Designer
Kyle Miltzer
Revised
November 23, 2021

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

Floor

Loads	Value
Live	40
Dead	10

Deflection Joist

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

Deflection Flush Girder

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

Deflection Dropped Girder

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

Deflection Header

Member	Value
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

Legend

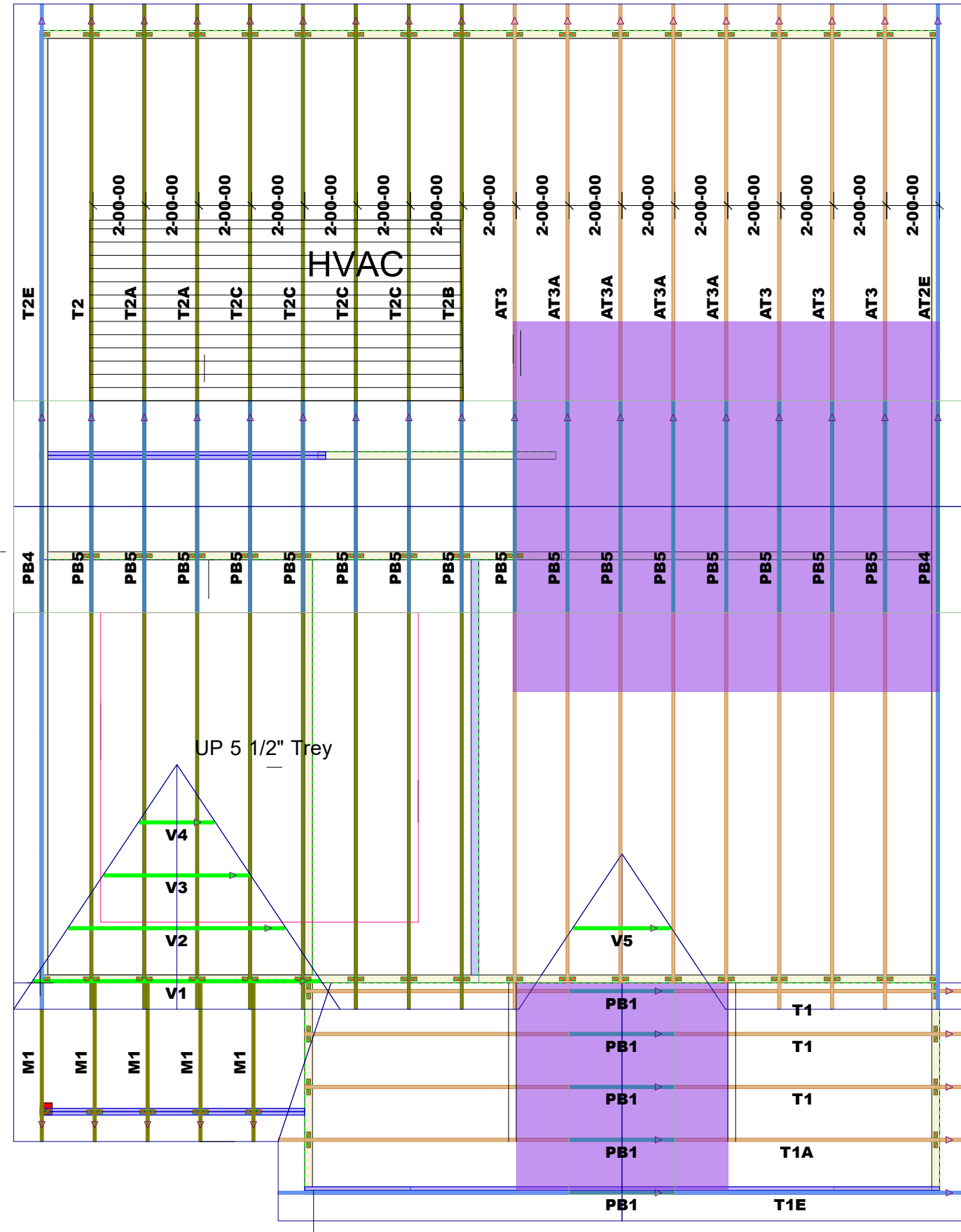
- WS - Web Stiffener
- WS - In Hanger Label Denotes Web Stiffener
- PS - Point Load Support
- ◊ - Load From Above
- ▬ - Exterior Bearing Wall
- ▬ - Interior Bearing Wall
- ▬ - Non-Bearing Wall
- ▬ - LP OSB/LSL Rim (Color Varies)
- ▬ - LPI 18/20 I Joist
- ▬ - LPI 32 I Joist
- ▬ - LPI 42/56 I Joist
- ▬ - 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



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



PROJECT: CL 2136 Tray Master CP	
CUSTOMER: Caviness Land Development	
MODEL: CL 2376 Walk Up CP No Back CP	
QUOTE #: 1801412	PRINT DATE: 8/20/2019
DRAWN BY: Rodney Evans	SCALE: N.T.S

TOP LIVE LOAD: 20.0 lb/ft ²
TOP DEAD LOAD: 10.0 lb/ft ²
BOTTOM DEAD LOAD: 10.0 lb/ft ²
WIND SPEED: 130 mph

GENERAL NOTES:

- 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 RESPONSIBLE FOR TRUSS TO TRUSS CONNECTIONS AND TRUSS PLY TO PLY CONNECTIONS. THIS TRUSS 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 414.35	2nd Level Roof Area 0
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