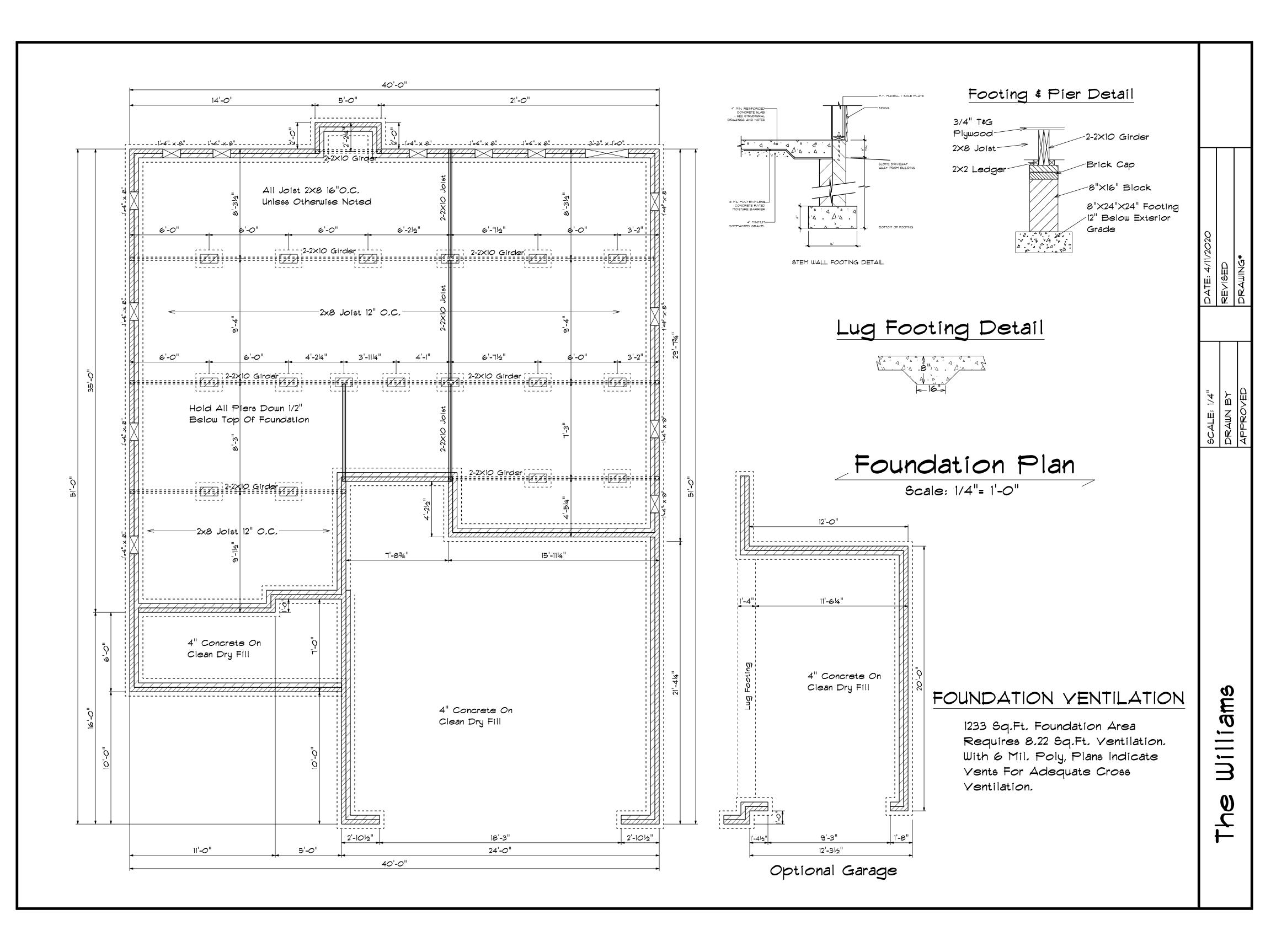


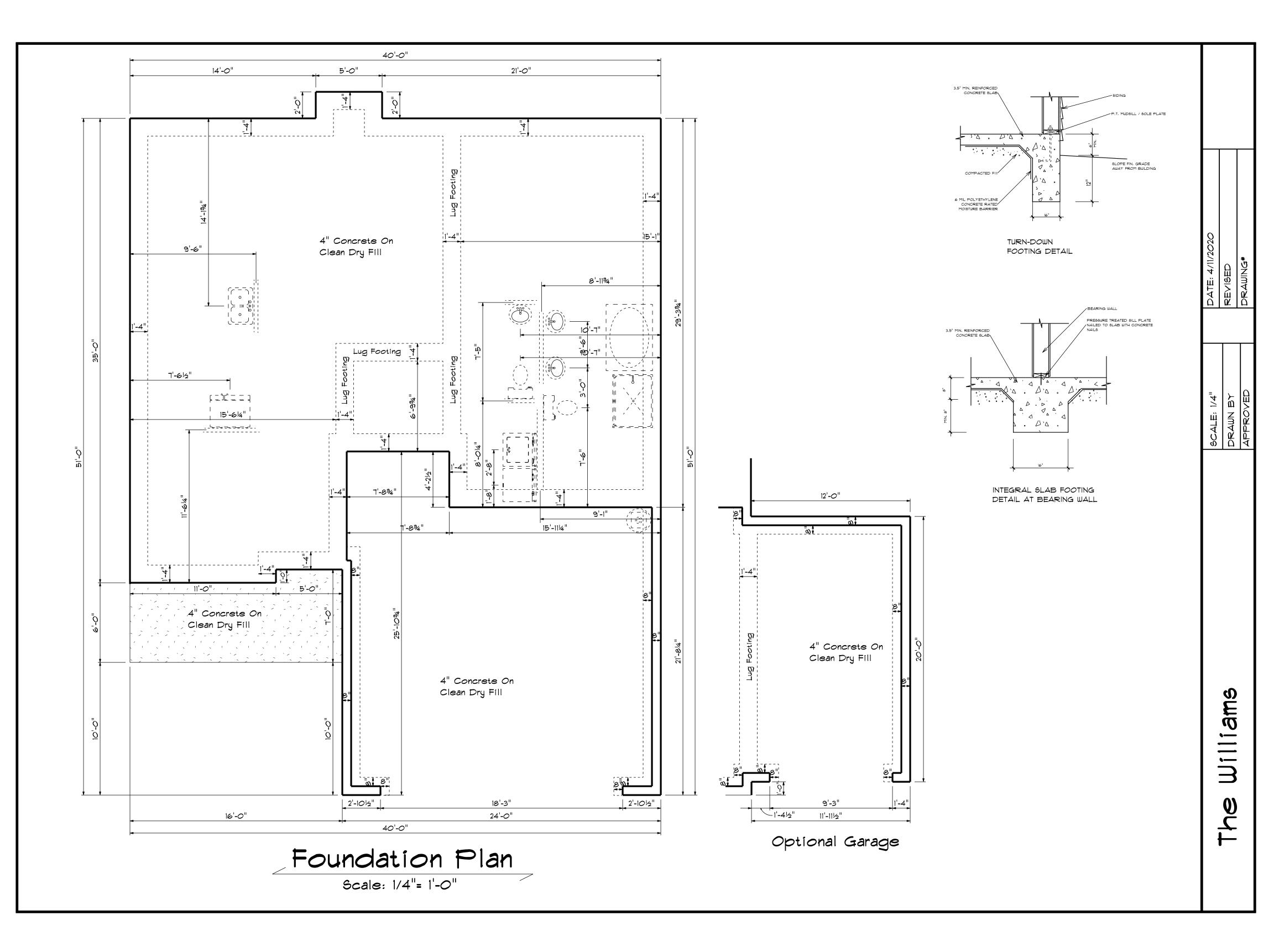
SECOND FLOOR (JPENING SCH	EDULE	
PRODUCT CODE	SIZE	HINGE	COUNT
2-0 Door Unit	2'-0"	R	2
2-4 Door Unit	2'-4"	R	2
2-4 Door Unit	2'-4"	L	3
2-6 Door Unit	2'-6"	R	2
2-6 Door Unit	2'-6"	L	1
4-0 Doublehung Door Unit	4'-0"	LR	1
5-0 Doublehung Door Unit	5'-0"	LR	1
24X24 CASEMENT 1	2'-0" x 2'-0"	N	1
28x52 single	2'-8" x 5'-2"	N	3
28x52 twin	5'-4" x 5'-2"	NN	3

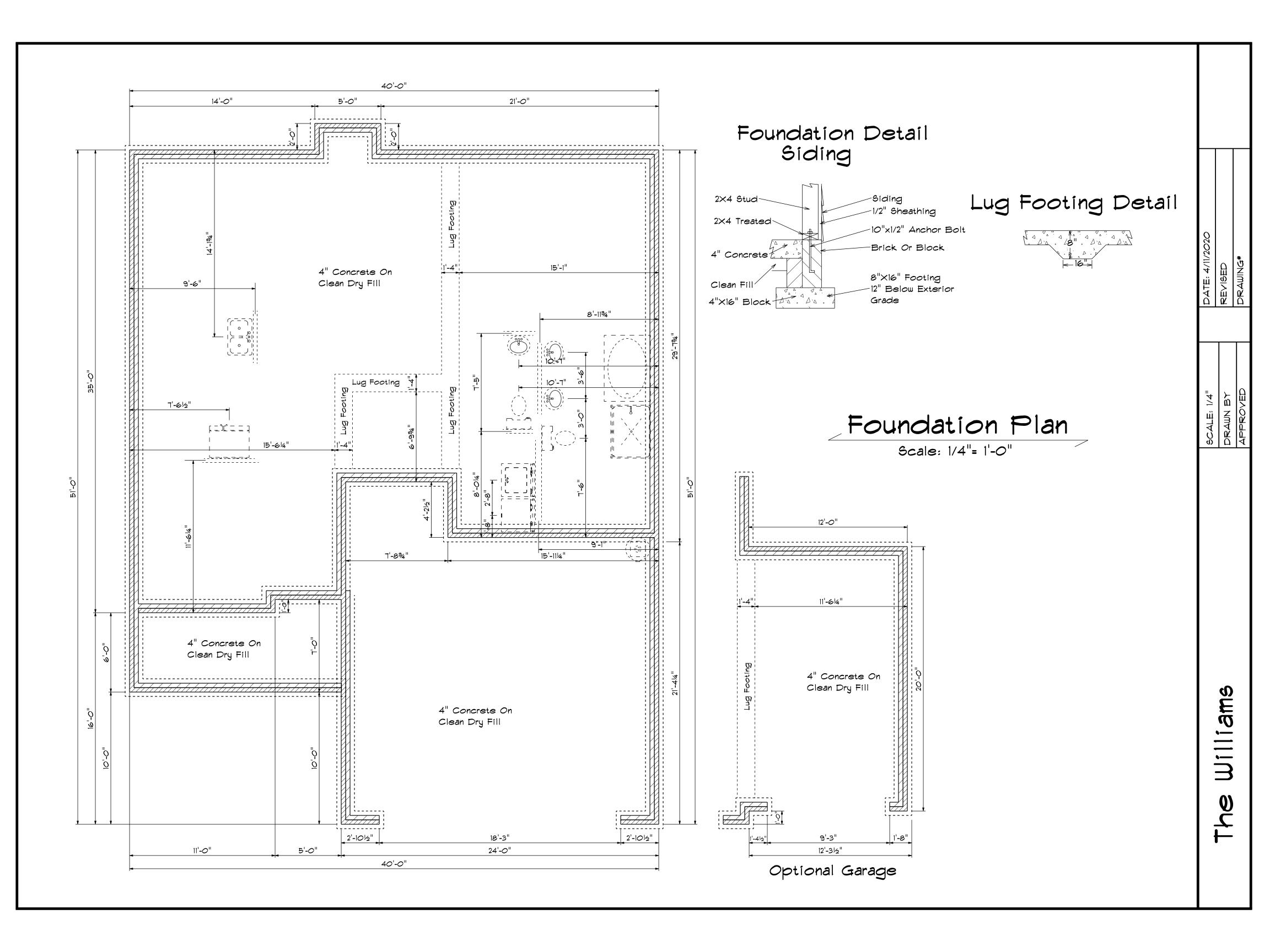
Second Floor Plan

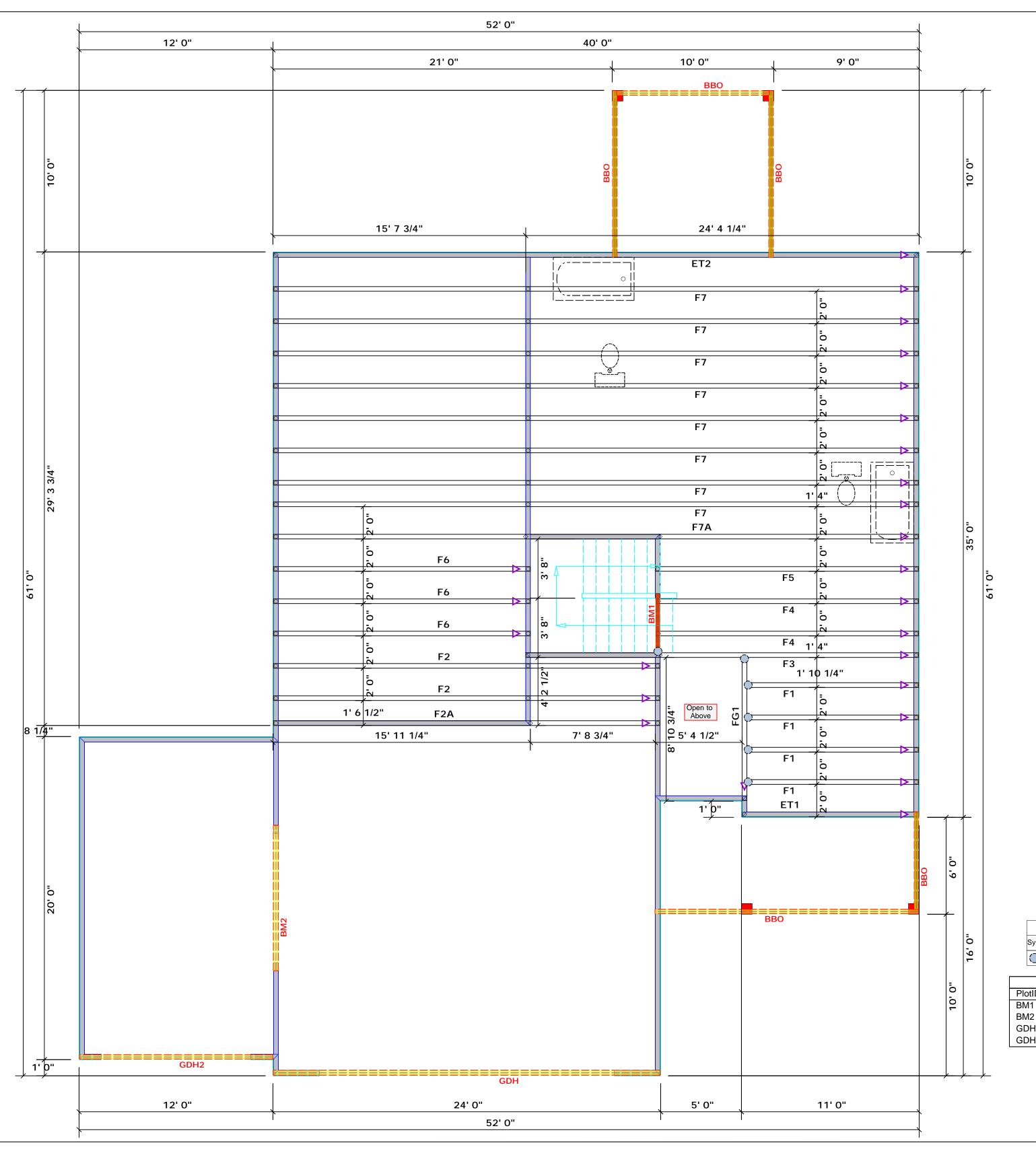
Scale: 1/4"= 1'-0"

The Williams









ROOF & FLOOR TRUSSES & BEAMS

Reilly Road Industrial Park Fayetteville, N.C. 28309 Phone: (910) 864-8787 Fax: (910) 864-4444

Bearing reactions less than or equal to 3000# are deemed to comply with the prescriptive Code requirements. The contractor shall refer to the attached Tables (derived from the prescriptive Code requirements) to determine the minimum foundation size and number of wood studs required to support reactions greater than 3000# but not greater than 15000#. A registered design professional shall be retained to design the support system for any reaction that exceed those specified in the attached Tables. A registered design professional shall be retained to design the support system for all reactions that exceed 15000#.

Signature_

David Landry

LOAD CHART FOR JACK STUDS

(6ASED ON TABLES ROOZE(L) & (b))
NUMBER OF LACK STUDS REQUIRED & EA END OF
HEADER/GERDER

ENB REACTION (0P 10)	REQ'D STUDS FOR (2) PLY HEADER		END REACTION (UP TO)		REQ ID STUDS FOR (3) PLY READER	END REACTION	(or so)	REQUE STUDS FOR
1700	1		2550		1	340	0	1
3400	2		5100		2	680	0	2
5100	3		7650		3	1020	ю	3
6800	4		10200)	4	1360	00	4
8500	5		12750)	5	1700	Ю	5
10200	6		15300)	5			
11900	7							
13600	8							
15300	9							

Marshall Naylor

David Landry

DRAWN BY SALESMAN

#

Quote ;

Tanna Place

ADDRESS

Harnett

COUNTY

Ben Stout Real Estate

	Dimension Notes
face of 2. All frame 3. All	exterior wall to wall dimensions are to of sheathing unless noted otherwise interior wall dimensions are to face of e wall unless noted otherwise exterior wall to truss dimensions are to of frame wall unless noted otherwise

All Walls Shown Are Considered Load Bearing

Plumbing Drop Notes 1. Plumbing drop locations shown are NOT exact. 2. Contractor to verify ALL plumbing drop locations prior to setting Floor Trusses. 3. Adjust spacing as needed not to exceed 24"oc.

	Conne	Nail Info	ormation			
Sym	m Product Manuf C		Qty	Supported Member	Header	Truss
\bigcirc	MSH422	USP	6	Varies	10d/3"	10d/3"

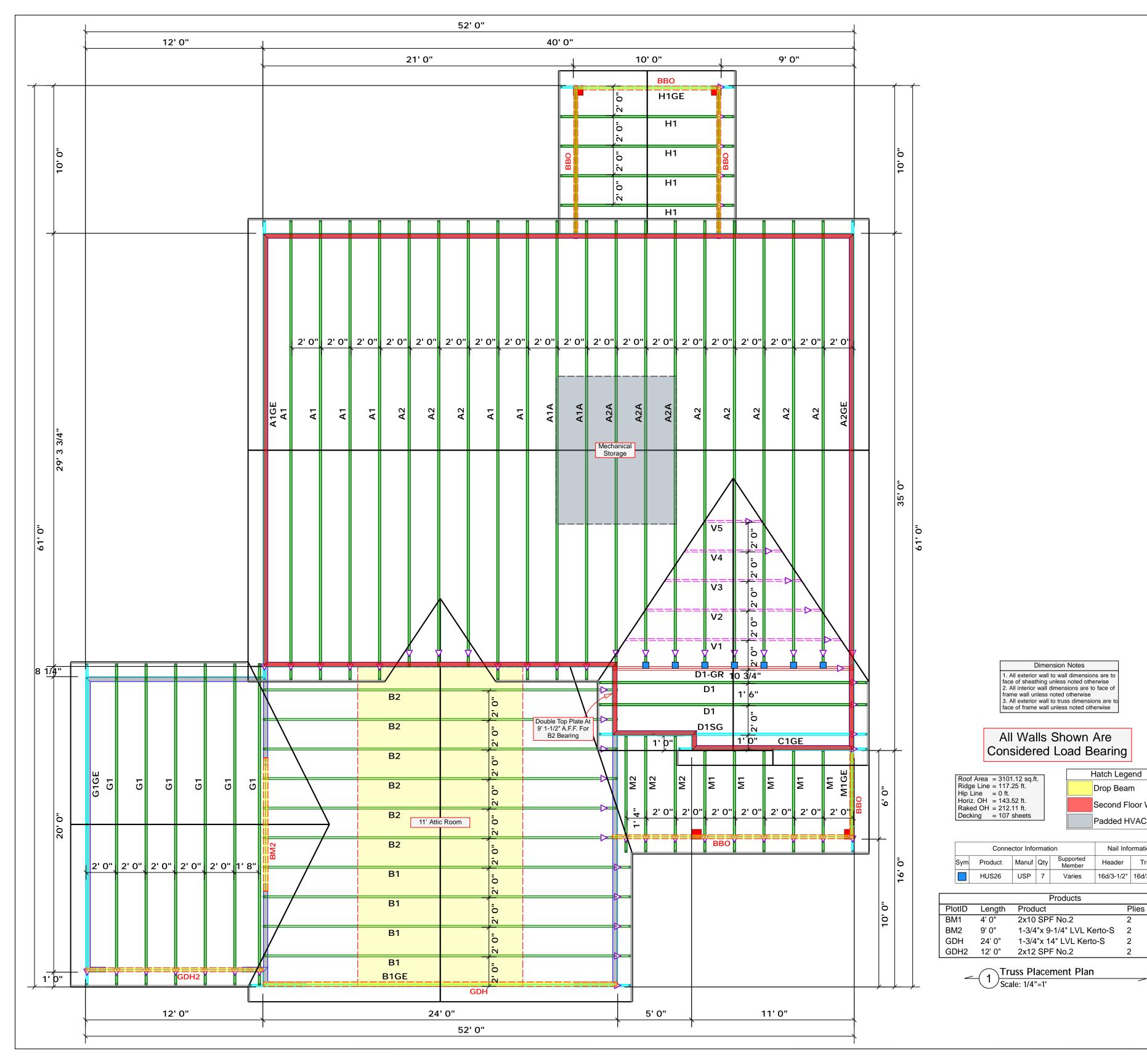
	Products										
PlotID	Length	Product	Plies	Net Qty							
BM1	4' 0"	2x10 SPF No.2	2	2							
BM2	9' 0"	1-3/4"x 9-1/4" LVL Kerto-S	2	2							
GDH	24' 0"	1-3/4"x 14" LVL Kerto-S	2	2							
GDH2	12' 0"	2x12 SPF No.2	2	2							

Truss Placement Plan
Scale: 1/4"=1'

THIS IS A TRUSS PLACEMENT DIAGRAM ONLY.
These trusses are designed as individual building components to be incorporated into the building design at the specification of the building design at the specification of the building designer. See individual design sheets for each truss design identified on the placement drawing. The building designer is responsible for temporary and permanent bracing of the roof and floor system and for the overall structure. The design of the truss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding bracing, consult BCSI-B1 and BCSI-B3 provided with the truss delivery package or online @ sbcindustry.com

The Williams

Lot 12





TRUSSES & BEAMS

Reilly Road Industrial Park Fayetteville, N.C. 28309 Phone: (910) 864-8787 Fax: (910) 864-4444

Bearing reactions less than or equal to 3000# are deemed to comply with the prescriptive Code requirements. The contractor shall refer to the attached Tables (derived from the prescriptive Code requirements) to determine the minimum foundation size and number of wood studs required to support reactions greater than 3000# but not greater than 15000#. A registered design professional shall be retained to design the

David Landry

LOAD CHART FOR JACK STUDS

(8ASÉD ON TABLÉS ROCES(1) & (b)) NUMBER OF JACK STUDS REQUIRED 8 EA END OF

		-	4EADER/	STR	DER		
ENB REACHON (UP 10)	REQ'D STUDS FOR (2) PLY HEADER		END REACTION (UP TO)	REQ16 STUDS FOR	(3) ALY HEADER	END REACTION (UP TO)	REQUESTRUBS FOR
1700	1		2550	1		3400	1
3400	2		5100	2	2	6800	2
5100	3		7650	3	3	10200	3
6800	4		10200	4	4	13600	4
8500	5		12750		5	17000	5
10200	6		15300	1 6	5		
11900	7						
13600	8						
15300	9						

Harnett	Tanna Place	Roof	01/07/21	David Landry	
COUNTY	ADDRESS	MODEL	DATE REV.	DRAWN BY	

al Estate	Ridge
en Stout Real	it 12 Forest Ridge
ın St	ıt 12

Drop Beam

Second Floor Walls

Nail Information

Header Truss

16d/3-1/2" | 16d/3-1/2"

2

Plies Net Qty

2

2

Padded HVAC

N/A Bel Lo1 JOB NAME SEAL DATE BUILDER

#

Ouote .

#

OUOTE 7

PLAN

THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed as individual building components to be incorporated into the building design at the specification of the building designer. See individual design sheets for each truss design identified on the placement drawing. The building designer is responsible for temporary and permanent bracing of the roof and floor system and for the overall structure. The design of the truss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding bracing, consult BCSI-B1 and BCSI-B3 provided with the truss delivery package or online @ sbcindustry.com

truss delivery package or online @ sbcindustry.com



Client:

Project: Address: Ben Stout Real Estate

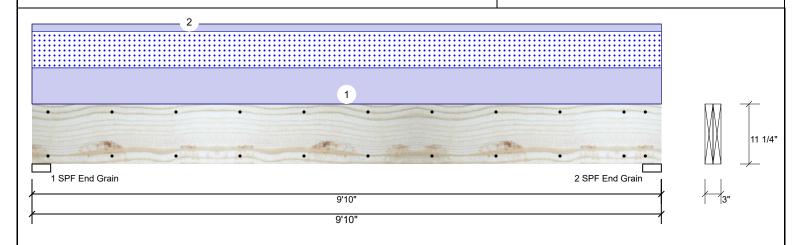
Date: 1/7/2021

Input by: David Landry Job Name: Lot 12 Forest Ridge Project #: J1220-5667

Page 1 of 6

2.000" X 12.000" 2-Ply - PASSED GDH₂ S-P-F #2

Level: Level



Member Info	rmation				Reactions UNPATTERNED lb (Uplift)							
Туре:	Girder	Application:	Floor		Brg	Live	Dead	Snow	Wind	Const		
Plies:	2	Design Method:	ASD		1	0	1254	1033	0	0		
Moisture Condition	n: Dry	Building Code:	IBC/IRC 2015		2	0	1254	1033	0	0		
Deflection LL:	480	Load Sharing:	No									
Deflection TL:	360	Deck:	Not Checked									
Importance:	Normal											
Temperature:	Temperature: Temp <= 100°F											
	13.7						Bearings					
					Bearing	Length	Cap. Rea	ct D/L lb	Total Ld. Cas	e Ld. Comb.		
					1 - SPF End	3.500"	51% 12	54 / 1033	2286 L	D+S		
Analysis Resu	lts				Grain							
1	ctual Location 109 ft-lb 4'11"	Allowed Capa 5306 ft-lb 0.963	city Comb. (96%) D+S	Case L	2 - SPF End Grain	3.500"	51% 12	54 / 1033	2286 L	D+S		

	· ·					
TL Defl inch	0.162 (L/694)	4'11"	0.312 (L/360)	0.520 (52%)	D+S	L
LL Defl inch	0.073 (L/1536)	4'11"	0.234 (L/480)	0.310 (31%)	S	L
Shear	1744 lb	1'2"	3493 lb	0.499 (50%)	D+S	L
Unbraced	5109 ft-lb	4'11"	5110 ft-lb	1.000 (100%)	D+S	L
Moment	5109 ft-lb	4'11"	5306 ft-lb	0.963 (96%)	D+S	L

Design Notes

- 1 Fasten all plies using 2 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6".
- 2 Refer to last page of calculations for fasteners required for specified loads.
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Top loads must be supported equally by all plies.
- 5 Top must be laterally braced at a maximum of 3'1 1/8" o.c.
- 6 Bottom braced at bearings.
- 7 Lateral slenderness ratio based on single ply width.

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
1	Uniform			Тор	210 PLF	0 PLF	210 PLF	0 PLF	0 PLF	G1
2	Uniform			Тор	45 PLF	0 PLF	0 PLF	0 PLF	0 PLF	Wall Above

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Client: Ben Stout Real Estate Date: 1/7/2021 Page 2 of 6 Project: Input by: David Landry isDesign Address: Job Name: Lot 12 Forest Ridge Project #: J1220-5667 Level: Level 2.000" X 12.000" 2-Ply - PASSED S-P-F #2 GDH₂ 1 SPF End Grain 2 SPF End Grain 9'10" 9'10' Multi-Ply Analysis Fasten all plies using 2 rows of 10d Box nails (.128x3") at 12" o.c.. Maximum end distance not to exceed 6" Capacity 0.0 PLF Load 157.4 PLF Yield Limit per Foot

Yield Limit per Fastener 78.7 lb. Yield Mode IV Edge Distance 1 1/2" Min. End Distance 3" Load Combination Duration Factor

1.00

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Client:

Project: Address: Ben Stout Real Estate

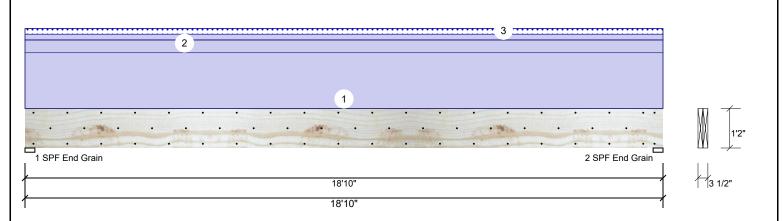
Date: 1/7/2021

Input by: David Landry Job Name: Lot 12 Forest Ridge Project #: J1220-5667

Page 3 of 6

Kerto-S LVL 2-Ply - PASSED 1.750" X 14.000" **GDH**

Level: Level



Member Information Reactions UNPATTERNED Ib (Uplift) Application: Wind Type: Floor Brg Live Dead Snow Const Plies: 2 Design Method: ASD 0 2551 0 188 0 1 Moisture Condition: Dry **Building Code: IBC/IRC 2015** 2 0 2551 188 0 0 Deflection LL: 480 Load Sharing: No Deflection TL: 360 Deck: Not Checked Importance: Normal Temperature: Temp <= 100°F **Bearings** Bearing Length Cap. React D/L lb Total Ld. Case Ld. Comb. 1-SPF 3.500" 2551 / 188 2739 L D+S End Grain Analysis Results 2 - SPF 3.500" 2551 / 188 D+S 26% 2739 L Comb. Analysis Actual Location Allowed Case Capacity End 11433 ft-lb 9'5" 24299 ft-lb Moment 0.471 (47%) D Uniform Grain Unbraced 12277 ft-lb 9'5" 12280 ft-lb 1.000 L

Uniform

ı

LL Defl inch 0.034 (L/6479)

Shear

Design Notes 1 Fasten all plies using 3 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6"

9'5 1/16" 0.459 (L/480) 0.070 (7%) S

9'5 1/16" 0.612 (L/360) 0.810 (81%) D+S

1'4 3/4" 9408 lb

(100%)

0.231 (23%) D

- 2 Refer to last page of calculations for fasteners required for specified loads.
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Top loads must be supported equally by all plies.
- 5 Top must be laterally braced at a maximum of 8'6" o.c.
- 6 Bottom braced at bearings.

TL Defl inch 0.495 (L/445)

2173 lb

7 Lateral slenderness ratio based on single ply width.

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments	
1	Uniform			Тор	195 PLF	0 PLF	0 PLF	0 PLF	0 PLF	B1GE	
2	Uniform			Тор	45 PLF	0 PLF	0 PLF	0 PLF	0 PLF	Wall Above	
3	Tie-In	0-0-0 to 18-10-0	1-0-0	Тор	20 PSF	0 PSF	20 PSF	0 PSF	0 PSF		
	Self Weight				11 PLF						

Calculated Structured Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads.

- Dry service conditions, unless noted otherwise
 LVL not to be treated with fire retardant or corrosive
- Handling & Installation
- LVL beams must not be cut or drilled Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code
- Damaged Beams must not be used
- Design assumes top edge is laterally restrained
 Provide lateral support at bearing points to avoid
 lateral displacement and rotation
- 6. For flat roofs provide proper drainage to prevent ponding

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This design is valid until 2/26/2023

Manufacturer Info

isDesign

Client: Ben Stout Real Estate

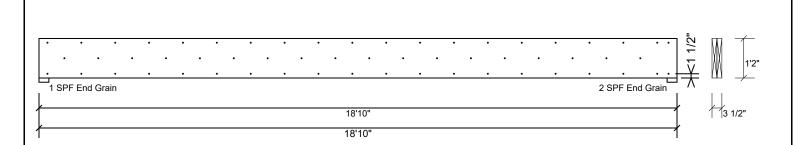
Project: Address: Date: 1/7/2021

Input by: David Landry Job Name: Lot 12 Forest Ridge Project #: J1220-5667

Page 4 of 6

Kerto-S LVL 1.750" X 14.000" 2-Ply - PASSED **GDH**

Level: Level



Multi-Ply Analysis

Fasten all plies using 3 rows of 10d Box nails (.128x3") at 12" o.c.. Maximum end distance not to exceed 6"

, ,		`	,
Capacity	0.0 %		
Load	0.0 PLF		
Yield Limit per Foot	245.6 PLF		
Yield Limit per Fastener	81.9 lb.		
Yield Mode	IV		
Edge Distance	1 1/2"		
Min. End Distance	3"		
Load Combination			
Duration Factor	1.00		

Notes

NOtes
Calculated Structured Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads.

- Dry service conditions, unless noted otherwise
 LVL not to be treated with fire retardant or corrosive

Handling & Installation

- Handling & Installation

 1. UVI beams must not be cut or drilled

 2. Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals

 3. Damaged Beams must not be used

 4. Design assumes top edge is laterally restrained

 5. Provide lateral support at bearing points to avoid lateral displacement and rotation

- For flat roofs provide proper drainage to prevent ponding

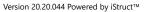
Manufacturer Info

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This design is valid until 2/26/2023





Client: Ben Stout Real Estate

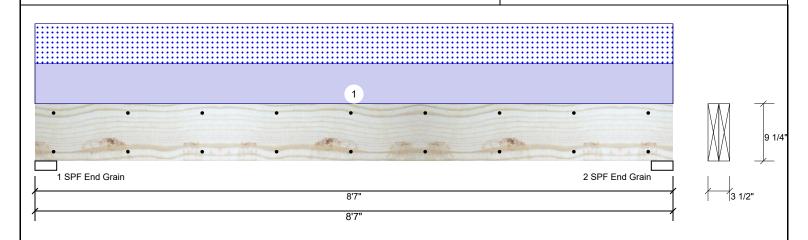
Project: Address: Date:

1/7/2021 Input by: David Landry

Job Name: Lot 12 Forest Ridge Project #: J1220-5667

1.750" X 9.250" **Kerto-S LVL** 2-Ply - PASSED BM₂

Level: Level



Member Information Reactions UNPATTERNED Ib (Uplift) Application: Brg Live Type: Floor Dead Snow Plies: 2 Design Method: ASD 0 1636 1605 1 Moisture Condition: Dry **Building Code: IBC/IRC 2015** 2 0 1636 1605 Deflection LL: 480 Load Sharing: No Deflection TL: 360 Deck: Not Checked Importance: Normal Temperature: Temp <= 100°F

Bearing	S					
Bearing	Length	Сар.	React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF End Grain	3.500"	30%	1636 / 1605	3241	L	D+S
2 - SPF End Grain	3.500"	30%	1636 / 1605	3241	L	D+S

Wind

0

0

Const

0

0

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	6232 ft-lb	4'3 1/2"	14423 ft-lb	0.432 (43%)	D+S	L
Unbraced	6232 ft-lb	4'3 1/2"	8689 ft-lb	0.717 (72%)	D+S	L
Shear	2486 lb	7'7"	7943 lb	0.313 (31%)	D+S	L
LL Defl inch	0.090 (L/1078)	4'3 9/16"	0.203 (L/480)	0.450 (45%)	S	L
TL Defl inch	0.183 (L/534)	4'3 9/16"	0.271 (L/360)	0.670 (67%)	D+S	L

Design Notes

- 1 Fasten all plies using 2 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6".
- 2 Refer to last page of calculations for fasteners required for specified loads.
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Top loads must be supported equally by all plies.
- 5 Top braced at bearings.
- 6 Bottom braced at bearings.
- 7 Lateral slenderness ratio based on single ply width.

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments	
1	Uniform			Тор	374 PLF	0 PLF	374 PLF	0 PLF	0 PLF	B2	
	Self Weight				7 PLF						

Calculated Structured Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads.

- Dry service conditions, unless noted otherwise
 LVL not to be treated with fire retardant or corrosive

Handling & Installation

- LVL beams must not be cut or drilled Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code
- approvals

 Damaged Beams must not be used
- Design assumes top edge is laterally restrained
 Provide lateral support at bearing points to avoid
 lateral displacement and rotation

This design is valid until 2/26/2023

6. For flat roofs provide proper drainage to prevent ponding

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Page 5 of 6



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Client: Ben Stout Real Estate

Project: Address: Date: 1/7/2021

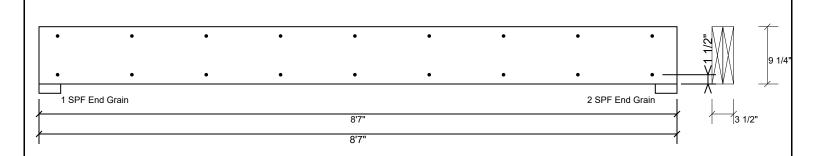
Input by: David Landry Job Name: Lot 12 Forest Ridge Project #: J1220-5667

Page 6 of 6

1.750" X 9.250" **Kerto-S LVL** BM₂

2-Ply - PASSED

Level: Level



Multi-Ply Analysis

Fasten all plies using 2 rows of 10d Box nails (.128x3") at 12" o.c., Maximum end distance not to exceed 6"

1 3		`	,
Capacity	0.0 %		
Load	0.0 PLF		
Yield Limit per Foot	163.7 PLF		
Yield Limit per Fastener	81.9 lb.		
Yield Mode	IV		
Edge Distance	1 1/2"		
Min. End Distance	3"		
Load Combination			
Duration Factor	1.00		

Notes

NOtes
Calculated Structured Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads.

- Dry service conditions, unless noted otherwise
 LVL not to be treated with fire retardant or corrosive

Handling & Installation

- Handling & Installation

 1. UVI beams must not be cut or drilled

 2. Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals

 3. Damaged Beams must not be used

 4. Design assumes top edge is laterally restrained

 5. Provide lateral support at bearing points to avoid lateral displacement and rotation
- This design is valid until 2/26/2023

For flat roofs provide proper drainage to prevent ponding

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