

Rath

9'-1½"

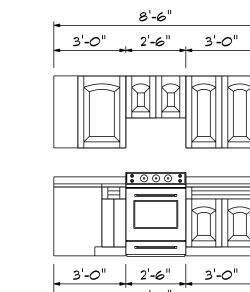
11'-0"

Mud Room

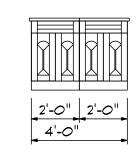
Garage

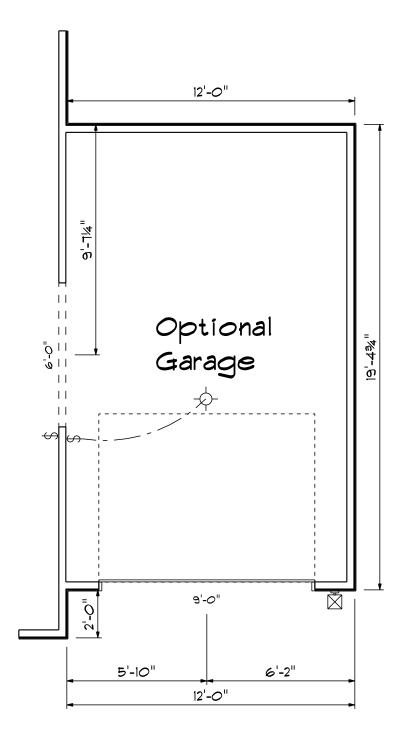
16'-0"

22'-0"



Kitchen Cabinets





FIRST FLOOR OPE	NING SCHEDULE				
PRODUCT CODE	SIZE	HINGE	COUNT		
36X80 COLONIAL A 1	3'-0"	R	1		
60X80 FRENCH PATIO DOOR	5'-0"	RN	1		
192X84 - 8 PANEL - 4 WINDOW	16'-0"	U	1		
2-4 Door Unit	2'-4"	R	1		
2-4 Door Unit	2'-4"	L	2		
2-6 Door Unit	2'-6"	L	1		
2-8 Door Unit	2'-8"	L	1		
4-0 Doublehung Door Unit	4'-0"	LR	1		
28X32 single	2'-8" x 3'-2"	N	1		
28x52 single	2'-8" x 5'-2"	N	1		
28x52 twin	5'-4" x 5'-2"	NN	1		

Areas

First Floor 1003 1285 Second Floor

Total Heated Garage 461 Front Porch 116 Covered Porch 144 Optional Garage 235

First	Floor	Plan

42'-6"

11'-0"

3'-0" 2'-8"

5'-8"

9-2/4"

__3'<u>-8¼"</u>_

6'-0"

2'-0"

17'-0"

Family Room

28x52 twin

8'-10"

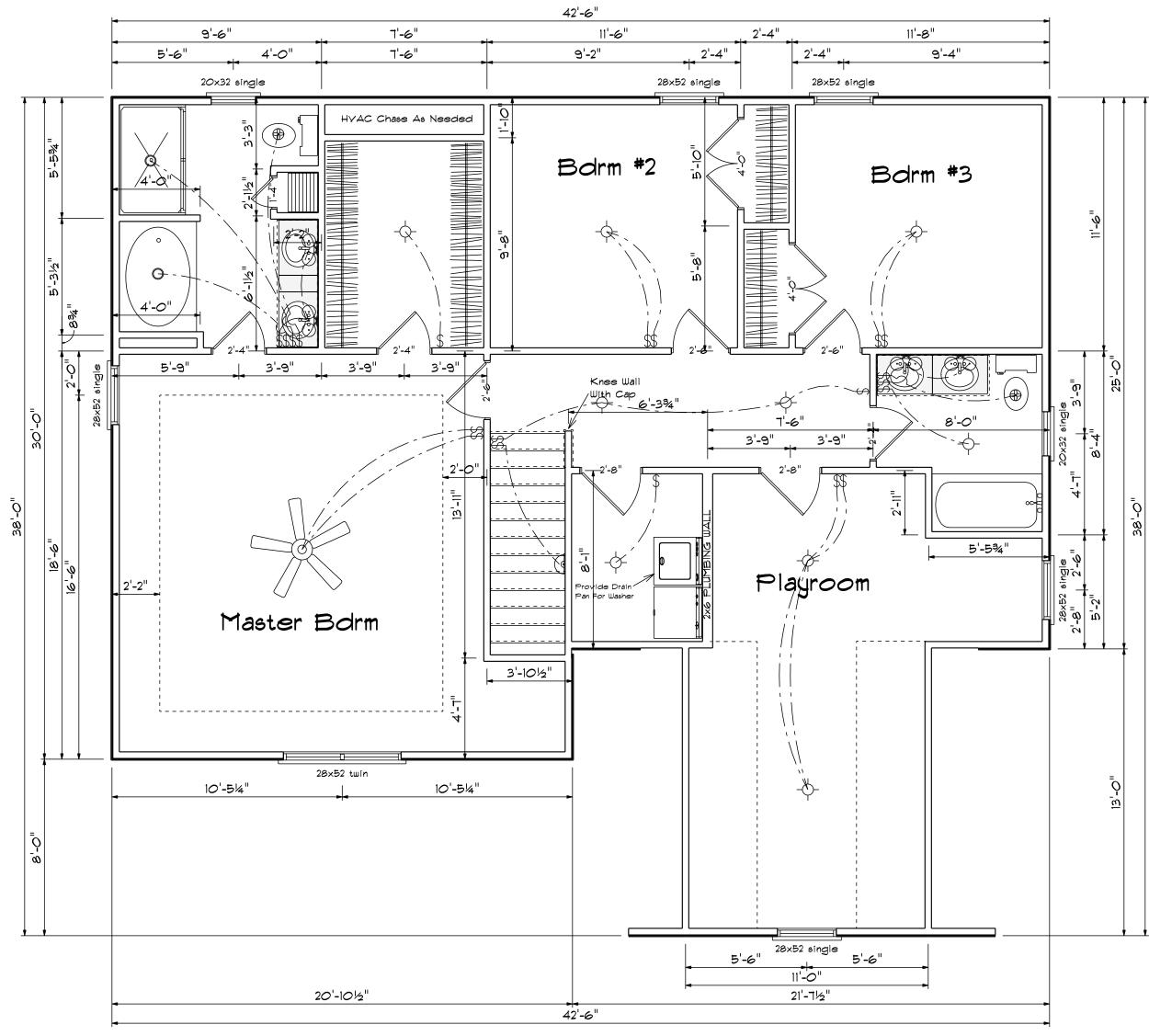
14'-10"

Covered Porch

6'-0"

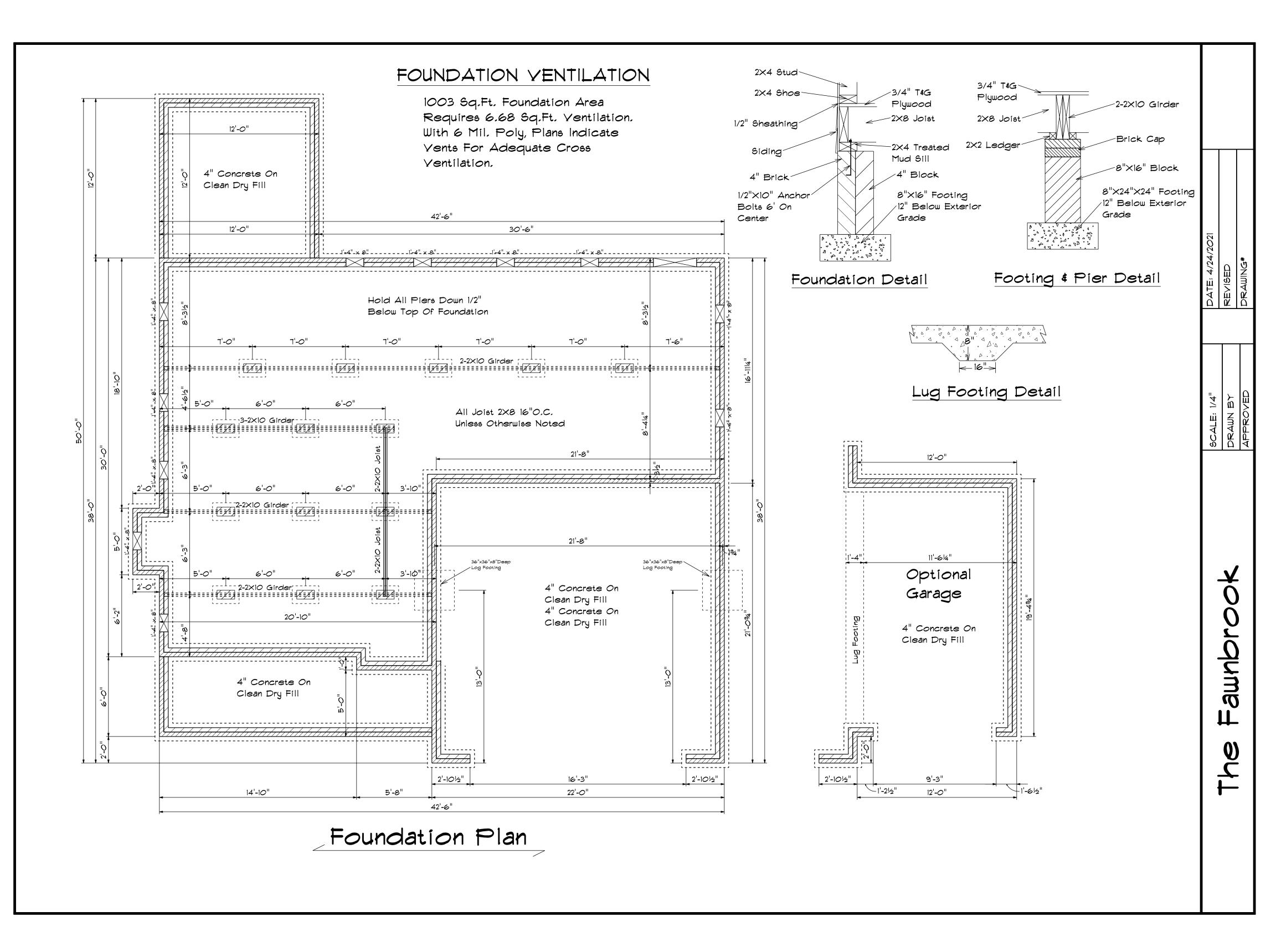
8'-5"

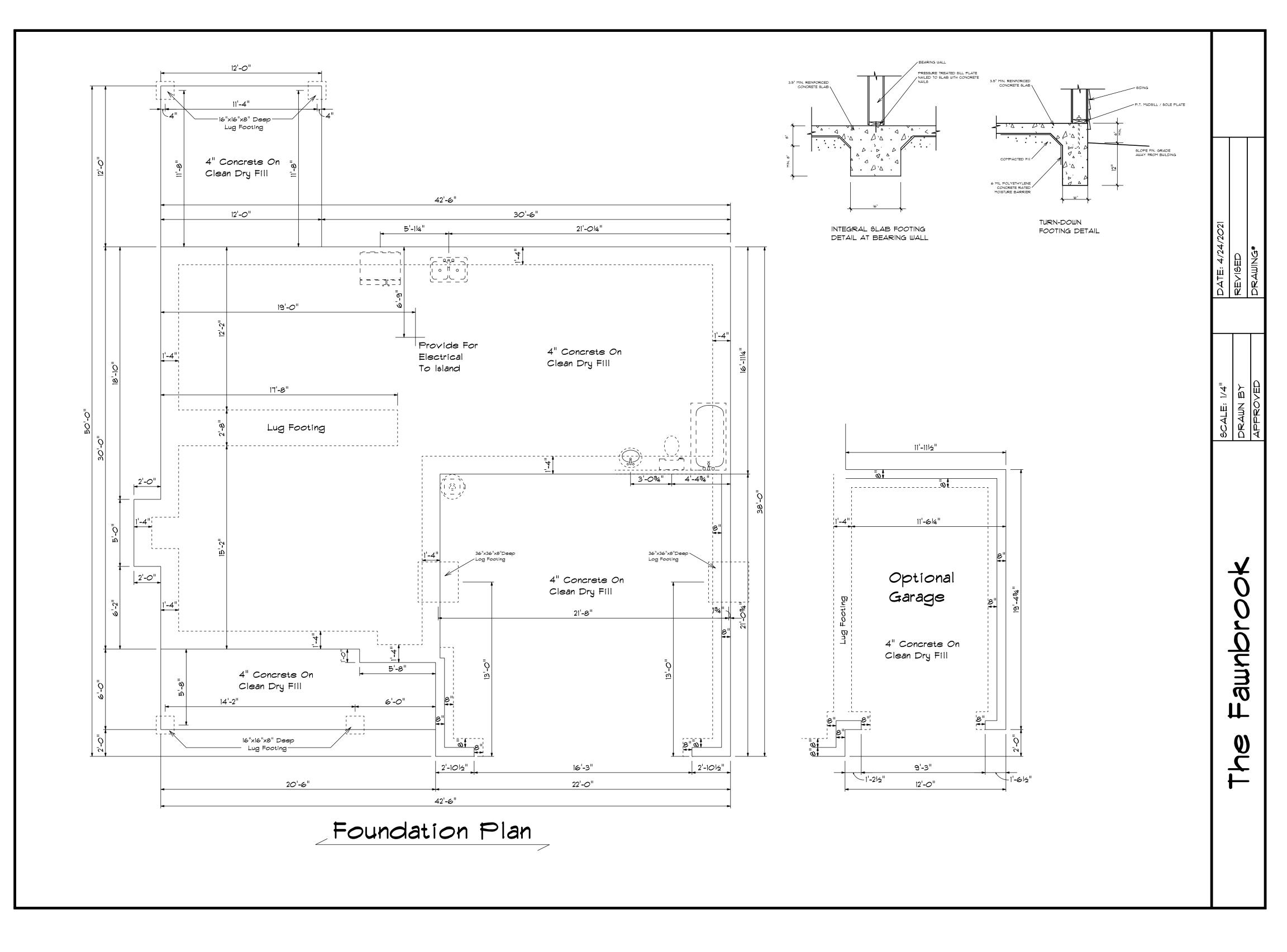
SCALE: 1/4" DRAWN BY APPROYED

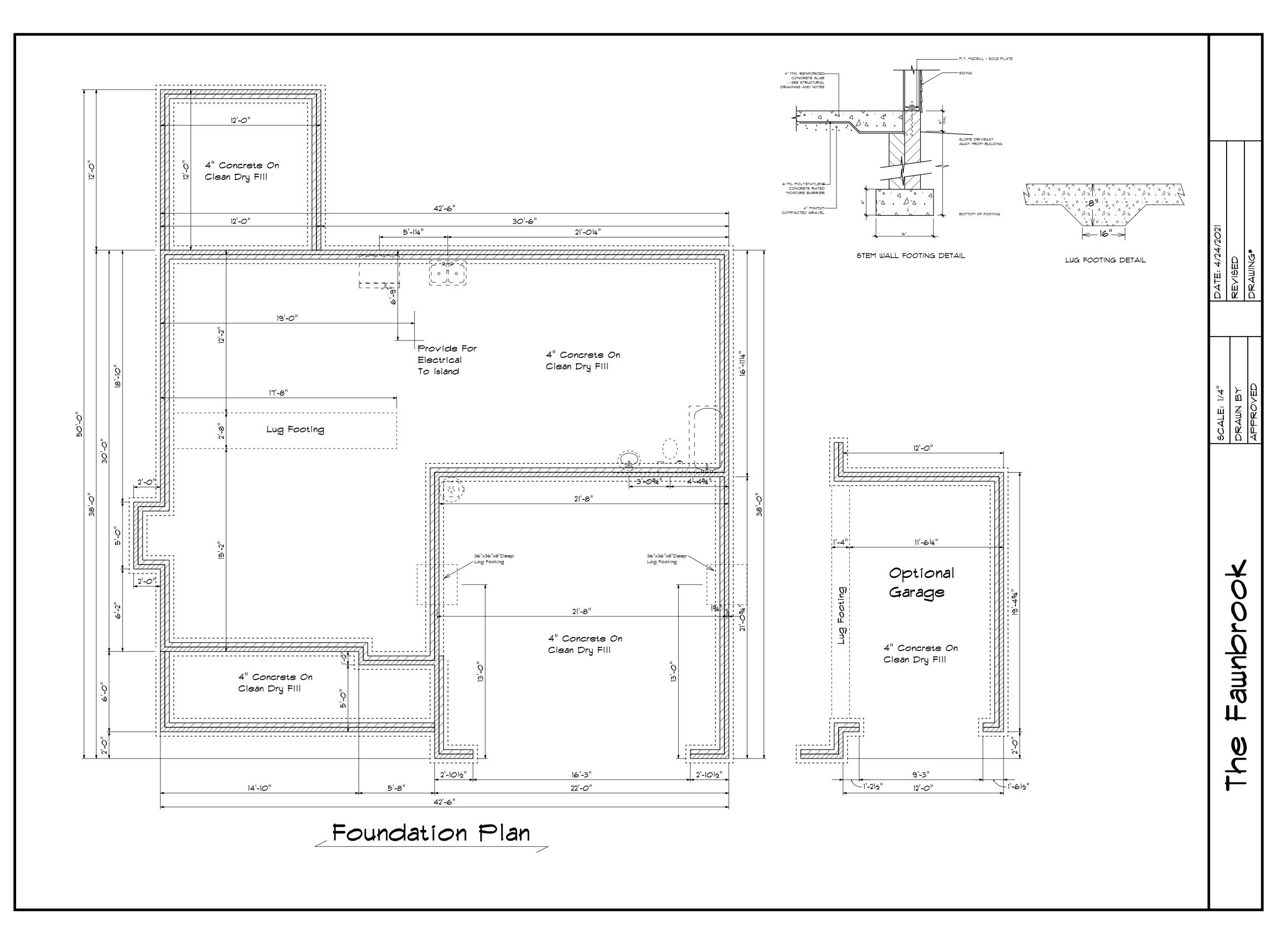


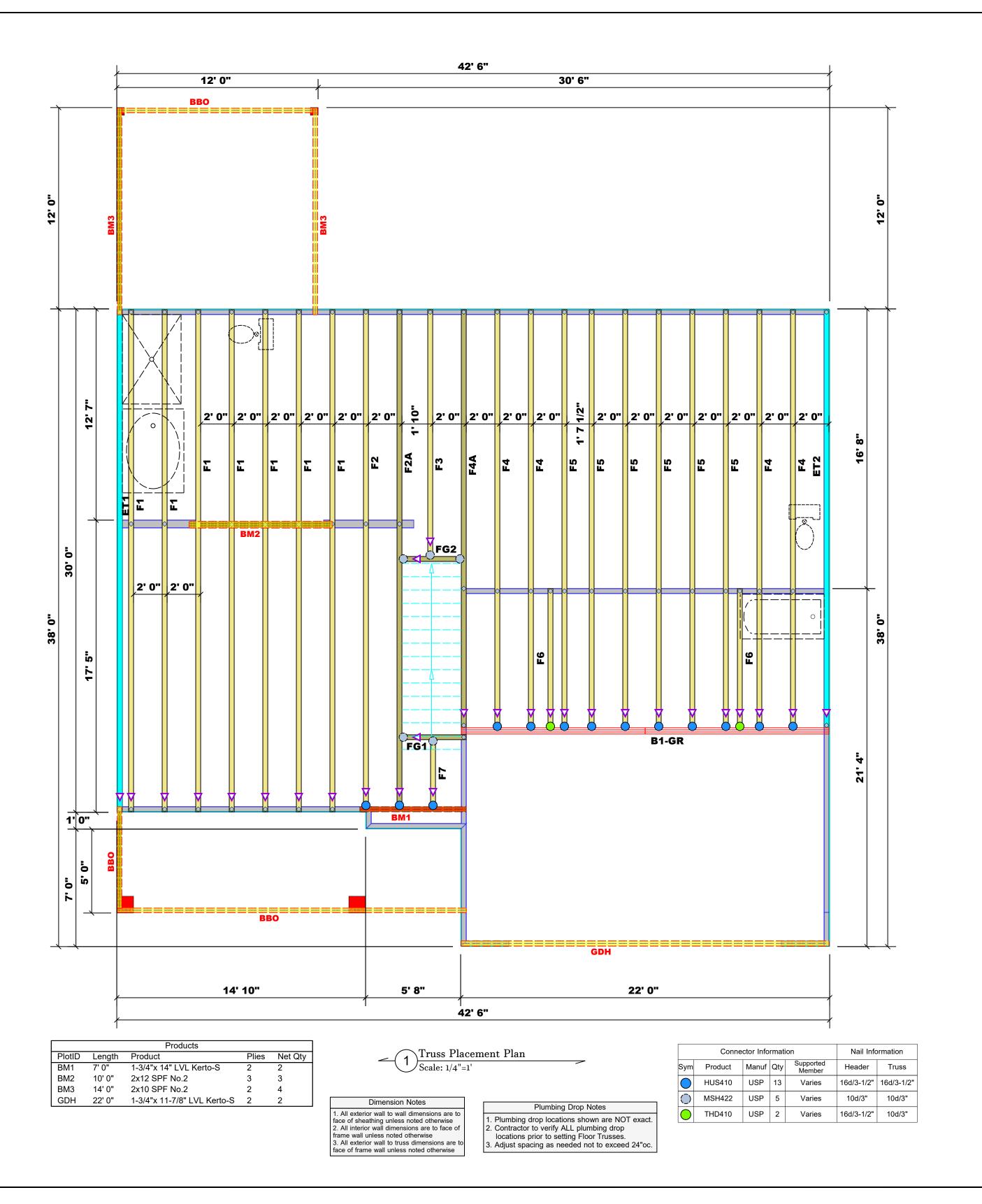
Second	Floor	Plan
		1 1411

SECOND FLOOR	OPENING SCH	EDULE	
PRODUCT CODE	SIZE	HINGE	COUNT
1-6 Door Unit	1'-4"	R	1
2-4 Door Unit	2'-4"	R	1
2-4 Door Unit	2'-4"	L	2
2-6 Door Unit	2'-6"	R	2
2-6 Door Unit	2'-6"	L	1
2-8 Door Unit	2'-8"	R	2
4-0 Doublehung Door Unit	4'-0"	LR	2
20x32 single	2'-0" x 3'-2"	N	2
28x52 single	2'-8" x 5'-2"	N	5
28x52 twin	5'-4" x 5'-2"	NN	1









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 exceeds those specified in the attached Tables. A registered design professional shall be retained to design the support system for all reactions that exceed 15000#.

Signatur

David Landry

LOAD CHART FOR JACK STUDS

(BASED ON TABLES R502.5(1) & (b)) NUMBER OF JACK STUDS REQUIRED @ EA END OF HEADER/GIRDER

		HEADEK/	PIKUEN	ι.		
(UP TO)	REQ'D STUDS FOR (2) PLY HEADER	END REACTION (UP TO)	REQ'D STUDS FOR (3) PLY HEADER		END REACTION (UP TO)	REQ'D STUDS FOR (4) PLY HEADER
700	1	2550	1		3400	1
400	2	5100	2		6800	2
100	3	7650	3		10200	3
300	4	10200	4		13600	4
500	5	12750	5		17000	5
200	6	15300	6			
900	7					
600	8					
300	9					

Stout Real Estate	COUNTY	Cumberland
151 forest Oaks	ADDRESS	71 Basket Oak Dr.
Fawnbrook	WODEL	Floor
	DATE REV. //	//
te #	DRAWN BY	DRAWN BY David Landry
21-1338	SALESMAN	SALESMAN Marshall Naylor

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

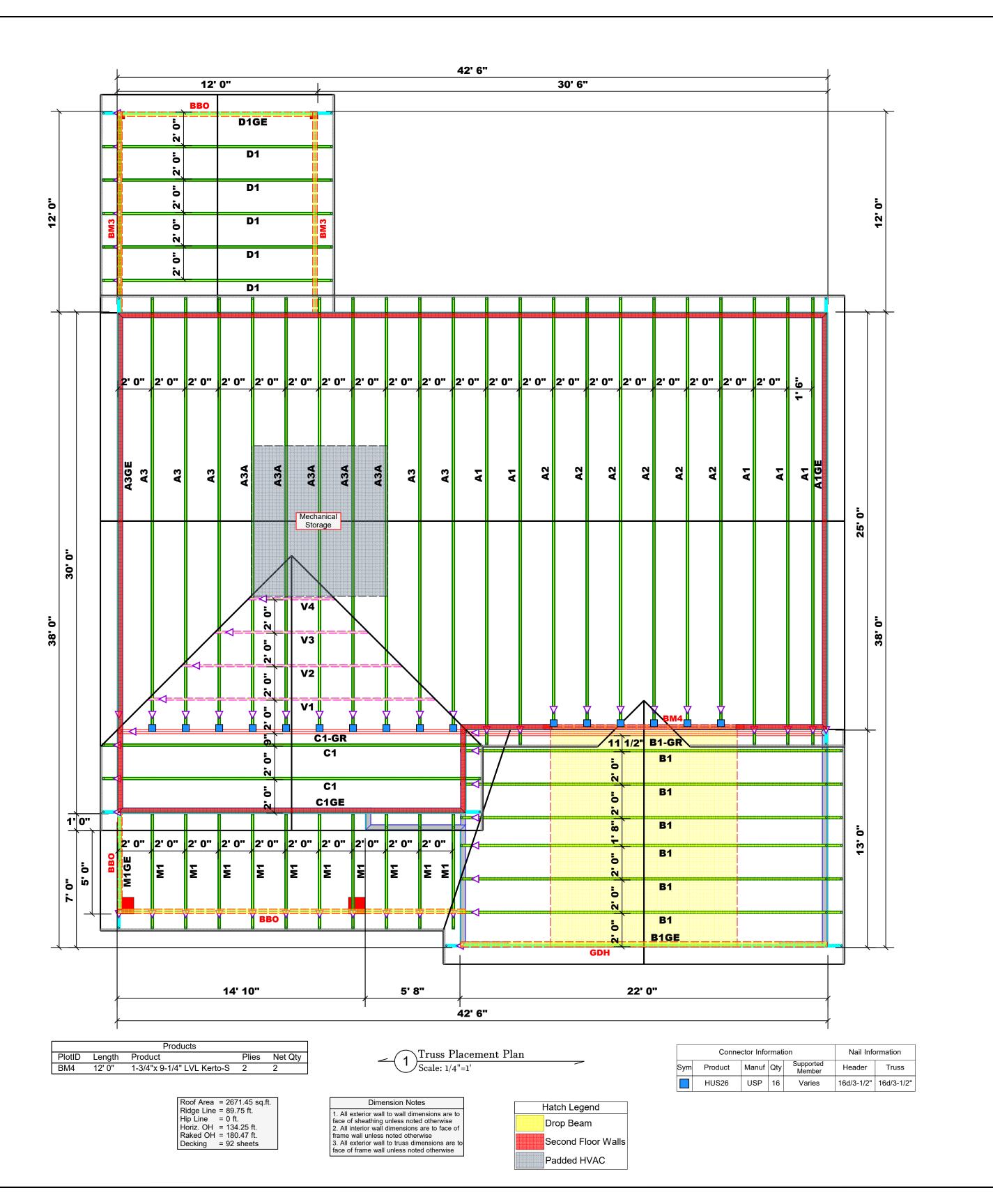
SEAL DATE

QUOTE;

Ben

BUILDER

JOB NAME





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

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Signature_

David Landry

LOAD CHART FOR JACK STUDS

(BASED ON TABLES R502.5(1) & (b)) NUMBER OF JACK STUDS REQUIRED @ EA END OF HEADER/GIRDER

END REACTION (UP TO)	REQ'D STUDS FOR (2) PLY HEADER	END REACTION (UP TO)	REQ'D STUDS FOR (3) PLY HEADER	END REACTION (UP TO)	REQ'D STUDS FOR
1700	1	2550	1	3400	1
3400	2	5100	2	6800	2
5100	3	7650	3	10200	3
6800	4	10200	4	13600	4
8500	5	12750	5	17000	5
10200	6	15300	6		
11900	7				
13600	8				
15300	9				

Ben Stout Real Estate	COUNTY	Cumberland
Lot 151 Forest Oaks	ADDRESS	71 Basket Oak Dr.
The Fawnbrook	WODEL	Roof
N/A	DATE REV. //	//
Quote #	DRAWN BY	DRAWN BY David Landry
J0321-1337	SALESMAN	SALESMAN Marshall Naylor

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

PLAN

SEAL DATE

QUOTE # JOB #

JOB NAME

BUILDER



Client:

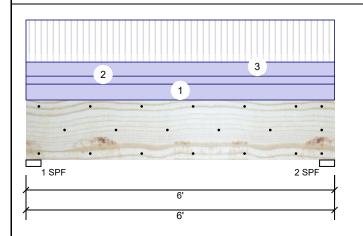
Project: Address: Benjamin Stout Real Estate

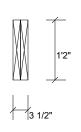
Date: 3/3/2021

Input by: David Landry Job Name: The Fawnbrook Project #: The Fawnbrook

1.750" X 14.000" **Kerto-S LVL** 2-Ply - PASSED BM₁

Level: Level





Page 1 of 10

Member Information

Туре:	Girder
Plies:	2
Moisture Condition:	Dry
Deflection LL:	480
Deflection TL:	360
Importance:	Normal
Temperature:	Temp <= 100°F

Application: Floor Design Method: ASD **Building Code: IBC/IRC 2015**

Load Sharing: No

Deck: Not Checked

Reactions UNPATTERNED Ib (Uplift)

Brg	Live	Dead	Snow	Wind	Const
1	951	891	0	0	0
2	951	891	0	0	0

Bearings

Bearing Length	Cap. R	eact D/L lb	Total	Ld. Case	Ld. Comb.	
1 - SPF 3.500"	35%	891 / 951	1842	L	D+L	
2 - SPE 3500"	35%	891 / 951	1842	1	D+I	

Analysis Results

•						
Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	2357 ft-lb	3'	26999 ft-lb	0.087 (9%)	D+L	L
Unbraced	2357 ft-lb	3'	26999 ft-lb	0.087 (9%)	D+L	L
Shear	1478 lb	4'7 1/4"	10453 lb	0.141 (14%)	D+L	L
LL Defl inch	0.007 (L/9415)	3'	0.139 (L/480)	0.050 (5%)	L	L
TL Defl inch	0.014 (L/4862)	3'	0.185 (L/360)	0.070 (7%)	D+L	L

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".
- 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 continuously braced.
- 6 Bottom braced at bearings.
- 7 Lateral slenderness ratio based on single ply width.

7 Lateral Sieri	acificas fallo basca off siligio	piy widii.									
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	120 PLF	0 PLF	0 PLF	0 PLF	0 PLF	Wall Above	
2	Uniform			Тор	60 PLF	0 PLF	0 PLF	0 PLF	0 PLF	C1GE	
3	Uniform			Far Face	106 PLF	317 PLF	0 PLF	0 PLF	0 PLF	F2	
	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 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

For flat roofs provide proper drainage to prevent ponding

Metsä Wood 301 Merritt 7 Building, 2nd Floor Norwalk, CT 06851 (800) 622-5850 www.metsawood.com/us ICC-ES: ESR-3633

Manufacturer Info

Comtech, Inc. 1001 S. Reilly Road, Suite #639 Fayetteville, NC USA 28314 910-864-TRUS





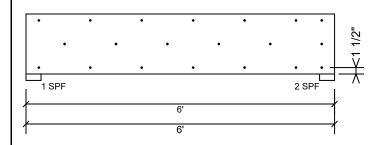
Client: Benjamin Stout Real Estate

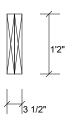
Project: Address: Date: 3/3/2021

Input by: David Landry Job Name: The Fawnbrook Project #: The Fawnbrook

1.750" X 14.000" 2-Ply - PASSED **Kerto-S LVL** BM₁

Level: Level





Page 2 of 10

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"

rasterrain pries asing 5 row	3 Of Tod Box Halls (.TEOXS) at
Capacity	86.1 %
Load	211.5 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	D+L
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

6. For flat roofs provide proper drainage to prevent ponding

Metsä Wood 301 Merritt 7 Building, 2nd Floor Norwalk, CT 06851 (800) 622-5850 www.metsawood.com/us ICC-ES: ESR-3633

Manufacturer Info

Comtech, Inc. 1001 S. Reilly Road, Suite #639 Fayetteville, NC USA 28314 910-864-TRUS





Client: Project: Address: Benjamin Stout Real Estate

Date: 3/3/2021 Input by: David La

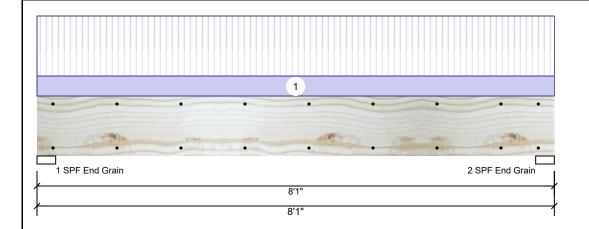
Input by: David Landry

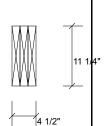
Job Name: The Fawnbrook

Project #: The Fawnbrook

BM2 S-P-F #2 2.000" X 12.000" 3-Ply - PASSED

Level: Level





Page 3 of 10

 Type:
 Girder

 Plies:
 3

 Moisture Condition:
 Dry

 Deflection LL:
 360

 Deflection TL:
 240

 Importance:
 Normal

Importance: Normal
Temperature: Temp <= 100°F

Application: Floor
Design Method: ASD
Building Code: IBC/IRC 2015
Load Sharing: Yes
Deck: Not Checked

Reactions UNPATTERNED Ib (Uplift)

Brg	Live	Dead	Snow	Wind	Const
1	2837	946	0	0	0
2	2837	946	0	0	0

Analysis Results

Comb. Actual Case Analysis Location Allowed Capacity Moment 6802 ft-lb 4' 1/2" 7960 ft-lb 0.855 (85%) D+L L Unbraced 6802 ft-lb 4' 1/2" 7960 ft-lb 0.855 (85%) D+L L 2691 lb 0.591 (59%) D+L Shear 1'2" 4556 lb L LL Defl inch 0.071 (L/1281) 4' 9/16" 0.254 (L/360) 0.280 (28%) L L TL Defl inch 0.095 (L/961) 4' 9/16" 0.381 (L/240) 0.250 (25%) D+L L

Bearings

Bearing Length Cap. React D/L lb Total Ld. Case Ld. Comb. 1-SPF 3.500" 946 / 2837 3783 L D+L End Grain 2 - SPF 3.500" 946 / 2837 3783 L D+L End Grain

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 continuously braced.
- 6 Bottom braced at bearings.

Version 20.20.044 Powered by iStruct™

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	234 PLF	702 PLF	0 PLF	0 PLF	0 PLF	F1

Manufacturer Info

Comtech, Inc.
1011 S. Reilly Road, Suite #639
Fayetteville, NC
USA
28314
910-864-TRUS

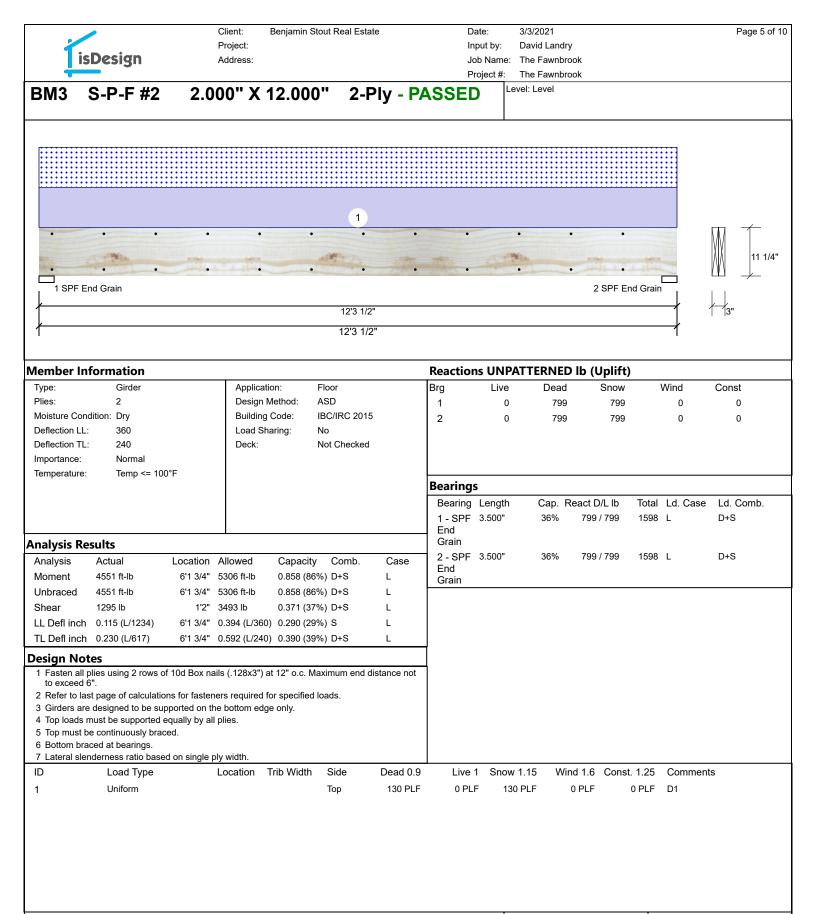
Client: Benjamin Stout Real Estate Date: 3/3/2021 Page 4 of 10 Project: Input by: David Landry isDesign Address: Job Name: The Fawnbrook Project #: The Fawnbrook Level: Level 2.000" X 12.000" 3-Ply - PASSED S-P-F #2 **BM2** 1 SPF End Grain 2 SPF End Grain 8'1" 8'1" Multi-Ply Analysis

This design is valid until 2/26/2023

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

Capacity	0.0 %	
Load	0.0 PLF	
Yield Limit per Foot	157.4 PLF	
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	

Comtech, Inc. 1001 S. Reilly Road, Suite #639 Fayetteville, NC USA 28314 910-864-TRUS Manufacturer Info соттесн







Client: Benjamin Stout Real Estate Date: 3/3/2021 Page 6 of 10 Project: Input by: David Landry isDesign Address: Job Name: The Fawnbrook Project #: The Fawnbrook 2-Ply - PASSED Level: Level 2.000" X 12.000" **BM3** S-P-F #2 1 SPF End Grain 2 SPF End Grain 12'3 1/2" 12'3 1/2" 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 Comtech, Inc. 1001 S. Reilly Road, Suite #639 Fayetteville, NC USA 28314 910-864-TRUS

This design is valid until 2/26/2023

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Manufacturer Info

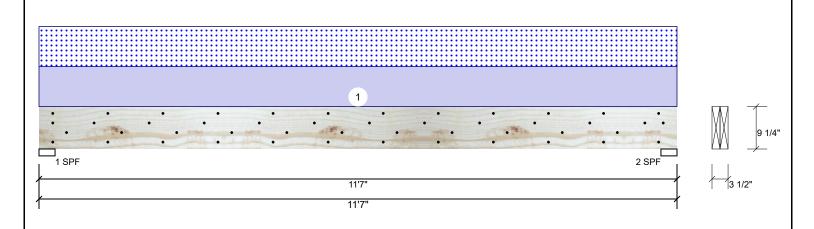
Client: Benjamin Stout Real Estate

Project: Address: 3/3/2021

Input by: David Landry Job Name: The Fawnbrook Project #: The Fawnbrook

1.750" X 9.250" **Kerto-S LVL** 2-Ply - PASSED BM4

Level: Level



Member Info	rmation			Reaction	ns UNPAT	TERNED IL	(Uplift))		
Type:	Girder	Application:	Roof	Brg	Live	Dead	Snow	Win	d	Const
Plies:	2	Slope:	0/12	1	0	1721	1680		0	0
Moisture Condition	on: Dry	Design Method:	ASD	2	0	1721	1680		0	0
Deflection LL:	360	Building Code:	IBC/IRC 2015							
Deflection TL:	240	Load Sharing:	No							
Importance:	Normal	Deck:	Not Checked							
Temperature:	Temp <= 100°F									
				Bearing	S					
				Bearing	Length	Cap. Rea	ct D/L lb	Total Ld.	. Case	Ld. Comb.
				1 - SPF	3.500"	65% 172	21 / 1680	3401 L		D+S
				2 - SPF	3.500"	65% 172	21 / 1680	3401 L		D+S

Analysis Results

ı							
ı	Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
	Moment	9084 ft-lb	5'9 1/2"	14423 ft-lb	0.630 (63%)	D+S	L
	Unbraced	9084 ft-lb	5'9 1/2"	14423 ft-lb	0.630 (63%)	D+S	L
	Shear	3261 lb	10'7"	7943 lb	0.411 (41%)	D+S	L
	LL Defl inch	0.232 (L/574)	5'9 1/2"	0.371 (L/360)	0.630 (63%)	S	L
	TL Defl inch	0.471 (L/284)	5'9 1/2"	0.556 (L/240)	0.850 (85%)	D+S	L

Design Notes

- 1 Fasten all plies using 4 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 must be continuously braced.
- 5 Bottom braced at bearings.
- 6 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			Far Face	290 PLF	0 PLF	290 PLF	0 PLF	0 PLF	A2
	Self Weight				7 PLF					

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

- Handling & Installation
- Informing & Installation

 I. VIL 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

 Design assumes top edge is laterally restrained is provide lateral support at bearing points to avoid lateral displacement and rotation

For flat roofs provide proper drainage to prevent ponding

Metsä Wood 301 Merritt 7 Building, 2nd Floor Norwalk, CT 06851 (800) 622-5850 www.metsawood.com/us ICC-ES: ESR-3633

Manufacturer Info

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Page 7 of 10



Client: Benjamin Stout Real Estate

Project: Address:

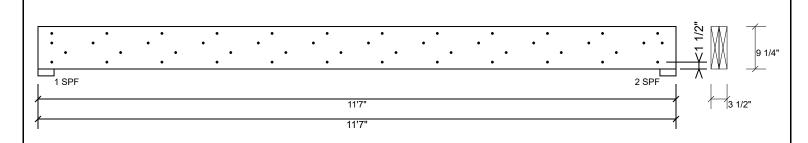
3/3/2021 Input by: David Landry Job Name: The Fawnbrook Page 8 of 10

Project #: The Fawnbrook

Kerto-S LVL BM4

1.750" X 9.250" 2-Ply - PASSED

Level: Level



Multi-Ply Analysis

Fasten all plies using 4 rows of 10d Box nails (.128x3") at 12" o.c.. Maximum end distance not to exceed 6"

Capacity	77.0 %
Load	290.0 PLF
Yield Limit per Foot	376.5 PLF
Yield Limit per Fastener	94.1 lb.
Yield Mode	IV
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	D+S
Duration Factor	1 15

Notes

Notes

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Handling & Installation

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Client:

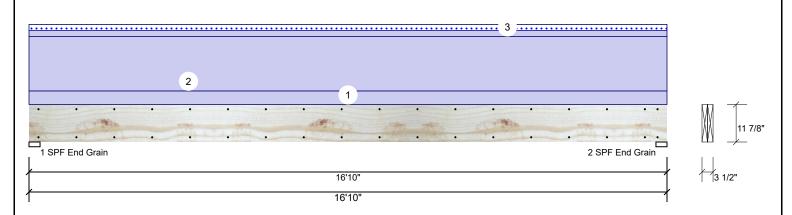
Project: Address: Benjamin Stout Real Estate

Date: 3/3/2021

Input by: David Landry Job Name: The Fawnbrook Project #: The Fawnbrook

Kerto-S LVL 2-Ply - PASSED 1.750" X 11.875" **GDH**

Level: Level



lember Inforr	nation				Reaction	is UNPAT	TERNED	lb (Uplift)		
Type:	Girder	Application:	Floor		Brg	Live	Dead	Snow	Wind	Const
Plies:	2	Design Method:	ASD		1	0	2140	168	0	0
Moisture Condition	: Dry	Building Code:	IBC/IRC 2015		2	0	2140	168	0	0
Deflection LL:	360	Load Sharing:	No							
Deflection TL:	240	Deck:	Not Checked							
Importance:	Normal									
Temperature:	Temp <= 100°F									
					Bearings	5				
					Bearing	Length	Cap. R	eact D/L lb	Total Ld. Case	Ld. Comb.
					1 - SPF	3.500"	22%	2140 / 168	2308 L	D+S
					End					
nalysis Result	S				Grain					
Analysis Act	tual Location	Allowed Capac	city Comb.	Case	2 - SPF	3.500"	22%	2140 / 168	2308 L	D+S
•			•		l End					

Uniform

Uniform

L

Design Notes

Unbraced

Shear

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

8'5" 17919 ft-lb

8'5 1/16" 0.546 (L/360) 0.060 (6%) S

8'5 1/16" 0.819 (L/240) 0.590 (59%) D+S

15'7 3/8" 7980 lb

0.476 (48%) D

0.229 (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 continuously braced.

8521 ft-lb

1830 lb

LL Defl inch 0.035 (L/5617)

TL Defl inch 0.480 (L/410)

- 6 Bottom braced at bearings.
- 7 Lateral slenderness ratio based on single bly width

/ Lateral sieriderness ratio based on single ply width.											
ĺ	ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
ı	1	Uniform			Тор	45 PLF	0 PLF	0 PLF	0 PLF	0 PLF	Wall Above
ı	2	Uniform			Тор	180 PLF	0 PLF	0 PLF	0 PLF	0 PLF	B1GE
ı	3	Tie-In	0-0-0 to 16-10-0	1-0-0	Тор	20 PSF	0 PSF	20 PSF	0 PSF	0 PSF	Roof Load
ı		Self Weight				9 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
- 6. For flat roofs provide proper drainage to prevent ponding

Metsä Wood 301 Merritt 7 Building, 2nd Floor Norwalk, CT 06851 (800) 622-5850 www.metsawood.com/us ICC-ES: ESR-3633

Manufacturer Info

Comtech, Inc. 1001 S. Reilly Road, Suite #639 Fayetteville, NC USA 28314 910-864-TRUS



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Client: Benjamin Stout Real Estate

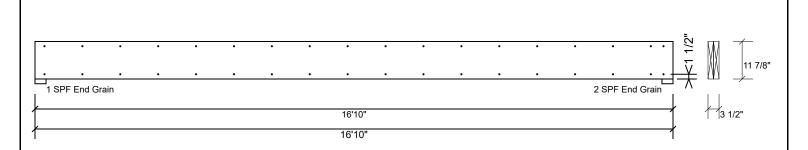
Project: Address:

Date: 3/3/2021

Input by: David Landry Job Name: The Fawnbrook Project #: The Fawnbrook

2-Ply - PASSED **Kerto-S LVL** 1.750" X 11.875" **GDH**

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"

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

- Informing & Installation

 I. VIL 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

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For flat roofs provide proper drainage to prevent ponding

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