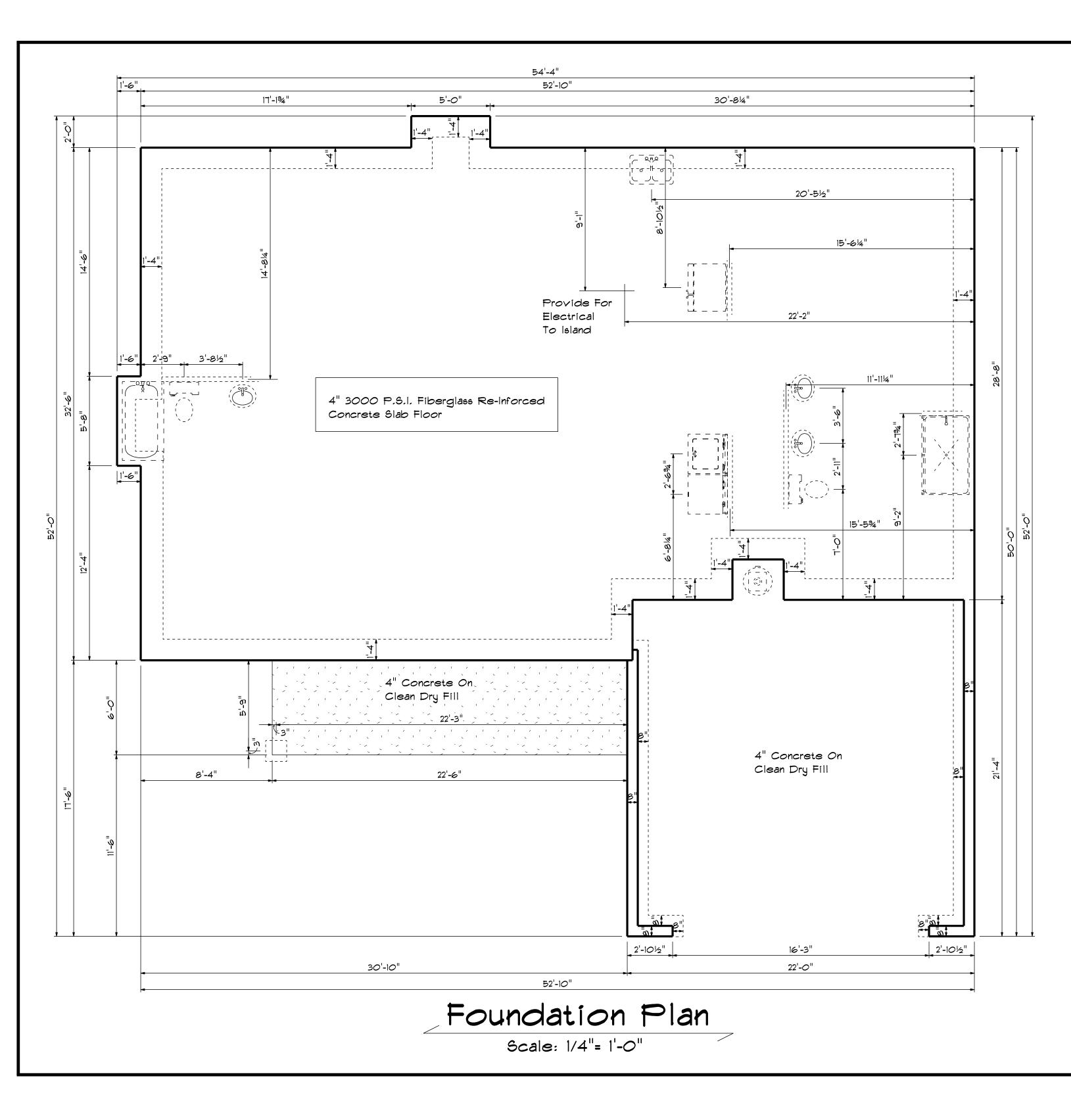


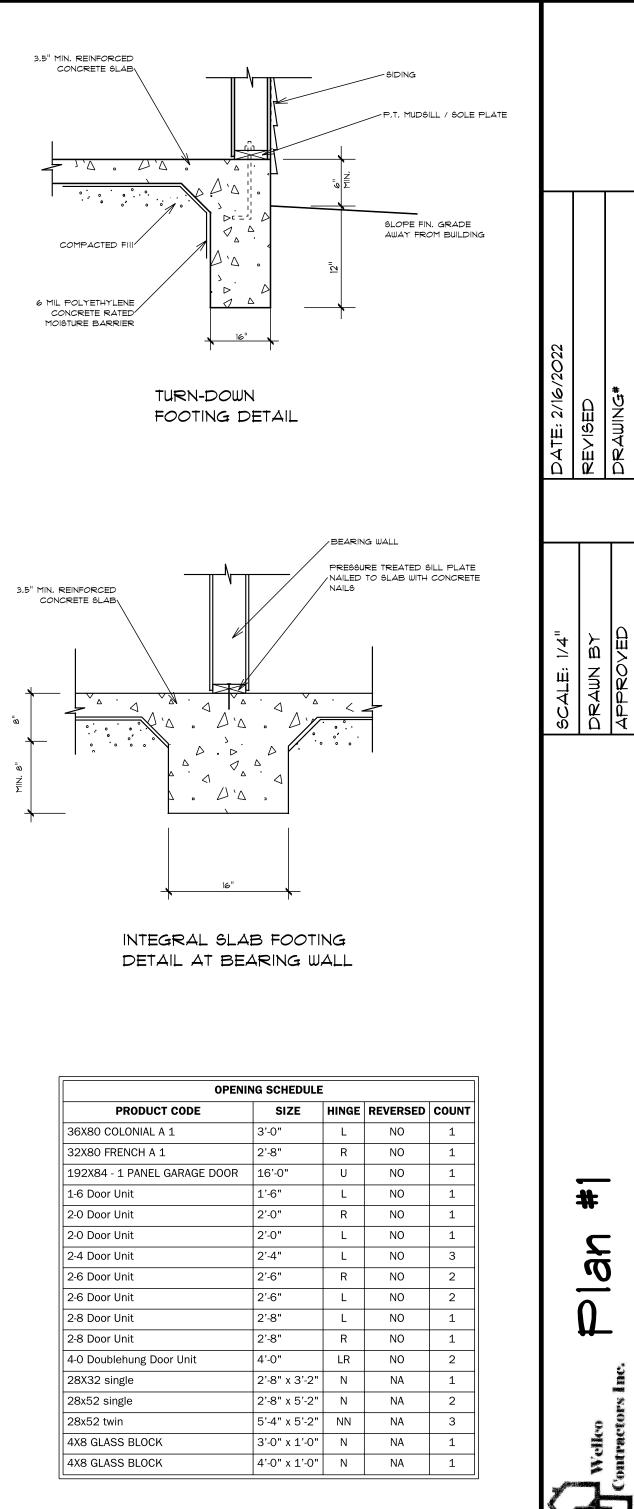
STEM WALL FOOTING DETAIL

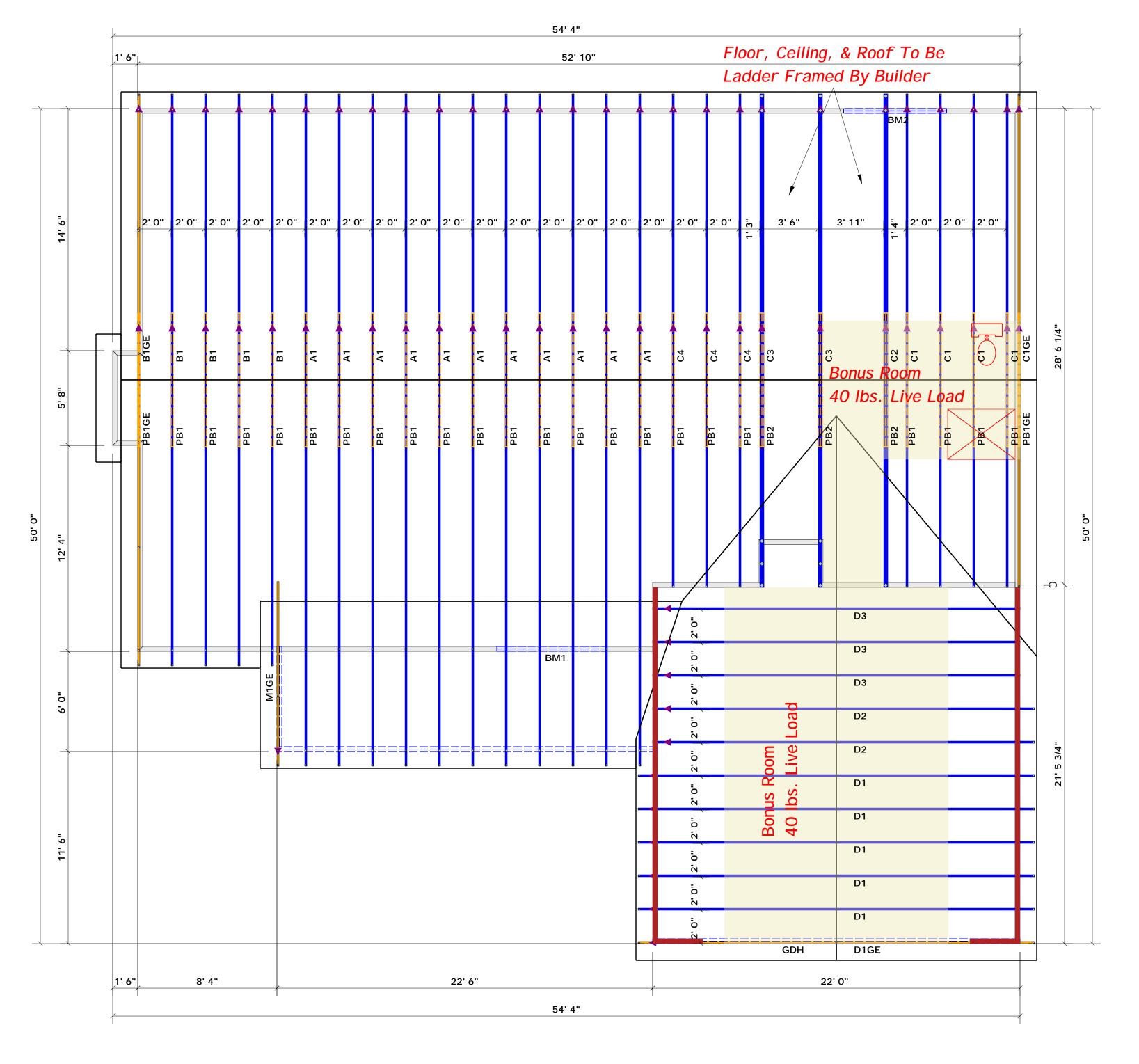
OPENING SCHEDULE								
PRODUCT CODE	SIZE	HINGE	REVERSED	COUNT				
36X80 COLONIAL A 1	3'-0"	L	NO	1				
32X80 FRENCH A 1	2'-8"	R	NO	1				
192X84 - 1 PANEL GARAGE DOOR	16'-0"	U	NO	1				
1-6 Door Unit	1'-6"	L	NO	1				
2-0 Door Unit	2'-0"	R	NO	1				
2-0 Door Unit	2'-0"	L	NO	1				
2-4 Door Unit	2'-4"	L	NO	3				
2-6 Door Unit	2'-6"	R	NO	2				
2-6 Door Unit	2'-6"	L	NO	2				
2-8 Door Unit	2'-8"	L	NO	1				
2-8 Door Unit	2'-8"	R	NO	1				
4-0 Doublehung Door Unit	4'-0"	LR	NO	2				
28X32 single	2'-8" x 3'-2"	N	NA	1				
28x52 single	2'-8" x 5'-2"	N	NA	2				
28x52 twin	5'-4" x 5'-2"	NN	NA	3				
4X8 GLASS BLOCK	3'-0" x 1'-0"	N	NA	1				
4X8 GLASS BLOCK	4'-0" x 1'-0"	N	NA	1				



Welleo







Denotes Left End of Truss
 (Reference Engineered Truss Drawing)
 Do Not Erect Trusses Backwards



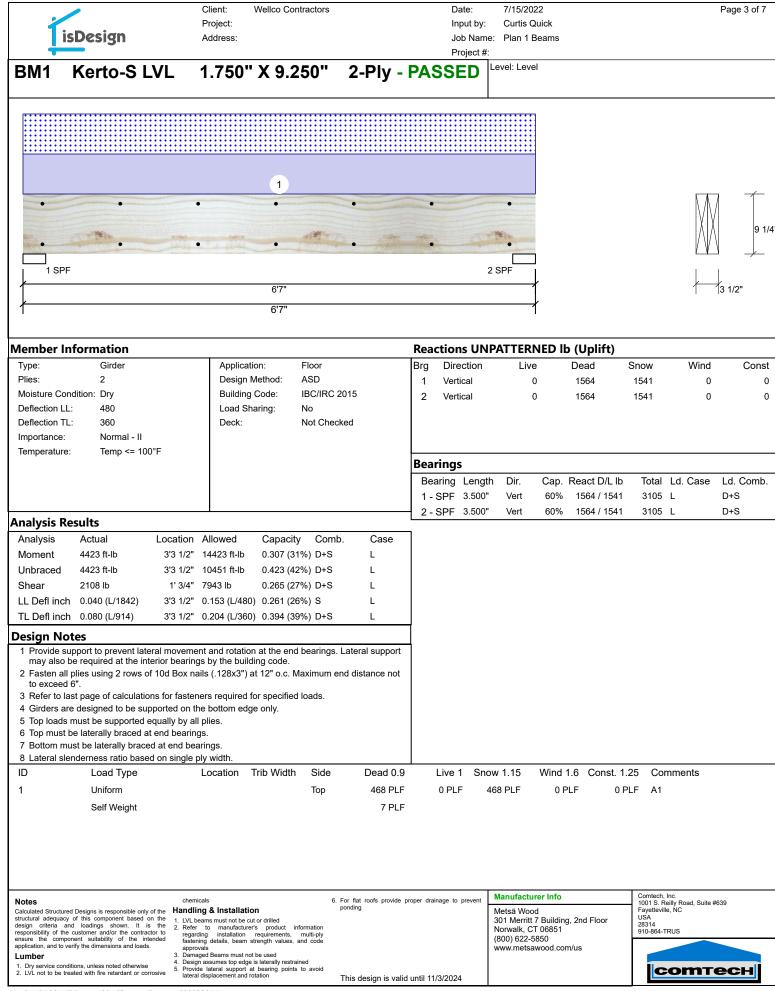
<u>Truss</u> <u>Placement</u> <u>Plan</u> SCALE: 1/4" = 1'

	Beam Legend								
PlotID	Length	Product	Plies	Net Qty	Fab Type				
BM1	7' 0"	1-3/4"x 9-1/4" LVL Kerto-S	2	2	FF				
BM2	7' 0"	1-3/4"x 9-1/4" LVL Kerto-S	2	2	FF				
GDH	22' 0"	1-3/4"x 11-7/8" LVL Kerto-S	2	2	FF				

	RO RUS eilly R Fayet Phon	OF & SES toad Ir teville e: (910	<b>Te</b> & FL & B ndustr , N.C. ) 864-4 864-4	OOF EAN 1al Par 28309 -8787	ΛS ҡ	
deemed requirem attached requirem size and reaction retained reaction Tables. <i>J</i> retained	to comply nents. The Tables ( nents) to number of s greater A register to design that exce A register to design to design s that exce	y with the e contract derived fi determine of wood s than 3000 red design the supp reds those ed design the supp red 1500		tive Code efer to the rescriptiv imum fou uired to su greater t ional shal m for any d in the a onal shal m for all	e re Code ndation upport han I be / ttached I be	
Signatur	'e		tis Q tis Q		<b>(</b>	
LO					IDS	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $						
CI TY / CO. Spring Lake / Harnett	11 Sandalwood Dr.	Model	07/15/22	DRAWN BY Curtis Quick	SALES REP. Lenny Norris	
CI TY / CO.	ADDRESS	MODEL	DATE REV. 07/15/22	DRAWN BY	SALES REP.	
Wellco Contractors	Lot 109 Hidden Lakes	Plan 1	Seal Date	Quote #	J0722-3677	
BUI LDER	JOB NAME	PLAN	SEAL DATE Seal Date	QUOTE #	JOB #	
These t compor design See ind identifie designe for the support and col designe consult	russes ar nents to b at the spe ividual de ed on the er is respe ent brach overall st is structurd umns is t er. For ge BCSI-B1	e designe e incorpo ecification esign she placemen onsible fo ng of the ructure. T e includin he respon neral guic and BCS	AENT DIA ed as indi orated into of the but sfor ea tt drawing or tempora roof and The design g header: nsibility o lance reg l-B3 prov online @	vidual bui o the build uilding de ch truss o g. The bui ary and floor syst n of the tr s, beams, f the build arding bra ided with	ilding ding signer. design Iding em and uss walls, ding acing, the	

	Design		Project: Address:				J	nput by: ob Name: Project #:	Curtis C Plan 1 E					U	e 1 of
GDH	Kerto-S L\	/L 1	.750" X	( 11.87	′5'' 2-	Ply - P		-	evel: Leve	9					
1 SPF			•		1	•	•		*			2 SPF		11	- 7/8"
/					16'10"									1/2"	
1					16'10"							1			
/lember In	formation						Reactio	ns UNP	ATTERI	NED II	o (Uplift)				
Туре:	Girder		Applicatio	on: I	Floor		1	ection	Live		Dead	Snow	Wind		Со
Plies: Moisture Cond Deflection LL: Deflection TL: Importance:	480 360 Normal - II		Design M Building ( Load Sha Deck:	Code: I aring: I	ASD IBC/IRC 2015 No Not Checked	;		tical tical		)	2182 2182	0 0	0 0		
Temperature:	Temp <= 100	°F					Bearing	c							
								Length 3.500"	Dir. Vert Vert	Cap. 42% 42%	React D/L lb 2182 / 0 2182 / 0	) 2182	Ld. Case Uniform Uniform	Ld. ( D D	Con
nalysis Re							<u>  2-3FF</u>	3.300	vert	42 /0	210270	2102	onnonn	0	
Analysis Moment	Actual 8689 ft-lb		17919 ft-lb	Capacity 0.485 (489	%) D	Case Uniform									
Unbraced	8689 ft-lb	8'5"	8702 ft-lb	0.998 (100%)	D	Uniform									
Shear	1859 lb	15'6 5/8"		0.233 (239	-	Uniform									
	0.000 (L/999) 0.453 (L/433)		999.000 (L/0) 0.546 (L/360)		,	Uniform									
esign Not		00 1110	0.0.0 (2,000)	, 0.001 (007	<i>s)</i> <u></u>	<u>e</u>	1								
<ol> <li>Provide sup may also be</li> <li>Fasten all p to exceed 6</li> <li>Refer to lass</li> <li>Girders are</li> <li>Top loads n</li> <li>Top must be</li> <li>Bottom must</li> </ol>	oport to prevent late e required at the inte blies using 2 rows of	erior bearing 10d Box na ns for fasten ported on th qually by all a maximum d at end bea	gs by the buildi hils (.128x3") a hers required fo he bottom edge   plies. h of 10'8 15/16' arings.	ing code. t 12" o.c. Ma or specified I e only.	aximum end d										
C Latoral SICI	Load Type		•	Frib Width	Side	Dead 0.9	Live	1 Snov	v 1.15	Wind	1.6 Const.	1.25 Co	mments		
ID	Uniform				Тор	250 PLF 9 PLF	0 PL	.F	0 PLF	0 F	PLF 0	PLF			

Client: Wellco Contractors		Date: 7/15/2022	Page 2 of 7
Project:		nput by: Curtis Quick	
isDesign Address:		lob Name: Plan 1 Beams	
		Project #:	
GDH Kerto-S LVL 1.750" X 11.875"	2-Ply - PASSE	D Level: Level	
	•		
			5.
• • • • • • • •	• • • •	• • • •	··· V M 11 7/8"
			Σ XX 11 7/8"
· · · · · · · ·	• • • •	• • •	
1 SPF			2 SPF //
/ /	16'10"		3 1/2"
			3 1/2
1	16'10"		
Multi-Ply Analysis			
Fasten all plies using 2 rows of 10d Box nails (.128x3") at 12"	o.c Maximum end dist	ance 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 1.00			
1.00			
Notes chemicals	6. For flat roofs provide proper drainage t		Comtech, Inc. 1001 S. Reilly Road, Suite #639
Calculated Structured Designs is responsible only of the structural adequacy of this component based on the 1. LVL beams must not be cut or drilled	ponding	Metsä Wood 301 Merritt 7 Building, 2nd Floor	Fayetteville, NC USA
design criteria and loadings shown. It is the 2 Refer to manufacturer's product information		Norwalk, CT 06851	28314 910-864-TRUS
responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads.		(800) 622-5850 www.metsawood.com/us	
Lumber 3. Damaged Beams must not be used 4. Design assumes top edge is laterally restrained		www.metsawood.com/us	
1. Dry service conditions, unless noted otherwise			
<ol> <li>Dry service conditions, unless noted otherwise</li> <li>LVL not to be treated with fire retardant or corrosive</li> <li>Provide lateral support at bearing points to avoid lateral displacement and rotation</li> </ol>	This design is valid until 11/3/20	24	соттесн



Version 21.80.417 Powered by iStruct<sup>™</sup> Dataset: 22022301.1

	Client: Wellco Contractors	Date:	7/15/2022	Page 4 of 7
	Project:	Input by:		
isDesign	Address:		e: Plan 1 Beams	
		Project #		
BM1 Kerto-S LVL	1.750" X 9.250"	2-Ply - PASSED	Level: Level	
				$ \rightarrow $
•	• •	• •	• <u></u>	$\Lambda \Lambda \Lambda$
			<11/2"	9 1/
•	• •	• •	• <u> </u>	
1 SPF			2 SPF	
1	6'7"			3 1/2"
<i>†</i>	6'7"		/	
Multi Dhy Analysia				
Multi-Ply Analysis				
Fasten all plies using 2 rows of 100	d Box nails (.128x3") at 12"	o.c Maximum end distance n	ot to exceed 6".	
Capacity 0.0 % Load 0.0 PLF	:			
Yield Limit per Foot 163.7 P				
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 che	emicals	6. For flat roofs provide proper drainage to prevent	Manufacturer Info	Comtech, Inc. 1001 S. Reilly Road, Suite #639
Calculated Structured Designs is responsible only of the structural adequacy of this component based on the	dling & Installation L beams must not be cut or drilled	ponding	Metsä Wood 301 Merritt 7 Building, 2nd Floor	Fayetteville, NC USA
design criteria and loadings shown. It is the 2. Re responsibility of the customer and/or the contractor to reg	efer to manufacturer's product information garding installation requirements, multi-ply		Norwalk, CT 06851	28314 910-864-TRUS
application, and to verify the dimensions and loads.	stening details, beam strength values, and code provals		(800) 622-5850 www.metsawood.com/us	
1. Dry service conditions, unless noted otherwise     4. De     5. Pre	amaged Beams must not be used esign assumes top edge is laterally restrained ovide lateral support at bearing points to avoid			
	eral displacement and rotation	This design is valid until 11/3/2024		соттесн

is	Design	Client: Project: Address:	wellco C	ontractors			Date: Input by: Job Name	7/15/202 Curtis Q e: Plan 1 E	uick					Page 5 o
	-						Project #:							
3M2	Kerto-S L\	/L 1.750	" X 9.	250" 2	2-Ply -	PAS	SED	Level: Leve	1					
		1		2			3							
	•	•	•	₩.		-	V	•					M/	1 1
				all the same				1					XXX	ç
•			Second Second			•		•					<u> </u>	
1 SPF							2	2 SPF	•					
			6'7" 6'7"						,				1 1	3 1/2"
I			6.7											
ember Inf	ormation					Reacti	ions UN	PATTERI	NED Ib	(Uplift)				
ype: lies:	Girder 2	Applic	ation: n Method:	Floor ASD		l v	Direction /ertical	Live		Dead	Sno		Wind	Co
lies. Ioisture Cond		-	ng Code:	IBC/IRC 201	5		/entical	(		1380 1696	13 16		0 0	
eflection LL:	480		Sharing:	No										
Deflection TL:		Deck:		Not Checked										
nportance: emperature:	Normal - II Temp <= 100°	F												
emperature.	Temp <= 100					Bearir	ngs							
							ng Lengtl	h Dir.	Cap.	React D/L I	b 7	Fotal Ld.	Case	Ld. Cor
							PF 3.500"	Vert	53%	1380 / 135		2737 L		D+S
nalysis Re	sulte					2 - SF	PF 3.500"	Vert	65%	1696 / 167	2 3	3368 L		D+S
Analysis Kes		Location Allowed	Capac	ity Comb.	Case	1								
Noment	6221 ft-lb	2'6 1/8" 14423 ft-lt		43%) D+S	L									
Jnbraced	6221 ft-lb	2'6 1/8" 10451 ft-lt		60%) D+S	L									
Shear	2870 lb	5'6 1/4" 7943 lb	0.361 (	36%) D+S	L									
L Defl inch	0.052 (L/1405)	3'2 1/16" 0.153 (L/4	80) 0.342 (	34%) S	L									
L Defl inch	0.105 (L/698)	3'2 1/16" 0.204 (L/3	60) 0.515 (	52%) D+S	L									
esign Not	es					T								
1 Provide sup	port to prevent latera	al movement and rota		nd bearings. Lat	eral support	1								
-	-	rior bearings by the bu 10d Box nails (.128x3	-	Maximum end o	listance not									
to exceed 6	".													
		s for fasteners require orted on the bottom e	•	ed loads.										
	nust be supported eq		ago only.											
•	e laterally braced at e	•												
	t be laterally braced derness ratio based	-												
D	Load Type	Location	Trib Widt	h Side	Dead 0.9	Liv	/e 1 Sno	w 1.15	Wind 1	.6 Const.	1.25	Comme	ents	
	Point	2-6-2		Тор	1561 lb		0 lb	1561 lb	0	lb	0 lb	C2		
	Bearing Length	0-3-8												
2	Point	3-9-6		Тор	734 lb		0 lb	734 lb	0	lb	0 lb	C1		
	Bearing Length	0-3-8							-					
3	Point	5-9-6		Тор	734 lb		0 lb	734 lb	0	lb	0 lb	C1		
ntinued on pa								-	Ū					
otes		chemicals		6. For 1	lat roofs provide p	roper drainag	e to prevent	Manufactu	rer Info			omtech, Inc. 001 S. Reilly Ro	oad Suite #	330
	Designs is responsible only of	the Handling & Installa		pond	ing , p			Metsä Woo			Fa	ayetteville, NC SA	Jau, Suite #6	553
alculated Structured	loadings shown. It is	the 2 Refer to manufac	urer's product					301 Merritt Norwalk, C	06851	, ∠nu ⊨ioor	28	3314 0-864-TRUS		
ructural adequacy o esign criteria and sponsibility of the c	ustomer and/or the contractor			,				(800) 622-5	850					
ructural adequacy o esign criteria and sponsibility of the consure the component	ustomer and/or the contractor ent suitability of the intend fy the dimensions and loads.	ded fastening details, bea approvals	m strength value	s, and code				www.metsa	wood.con	n/us				
tructural adequacy or esign criteria and asponsibility of the cr nsure the compone pplication, and to verifi .umber	ent suitability of the intend	ded fastening details, bea	m strength values t not be used dge is laterally res	trained					wood.con	n/us			т	

		Client: Wellco Contractor	s Date:	7/15/2022	Page 6 of 7
2		Project:	Input by:		
1	isDesign	Address:		e: Plan 1 Beams	
- 4			Project #		
BM2	Kerto-S LVL	1 750" V 0 250"	2-Ply - PASSED	Level: Level	
	Reno-3 LVL	. 1.750 A 9.250	2-FIY - FASSED		
		1 2	3		
		V V	V		
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	- College		The star was a fig	and the second s	9 1/-
and the second	ACTIVITY AND A STATE OF A STATE O		Not the call of a local state of a second state of a		
	SPF			2 SPF 1	1 1
<u> </u>		6'7"		<b>/</b>	3 1/2"
					3 1/2
1 _		6'7"		1	
Continued	I from page 1				
D	Load Type	Location Trib Width Sid	e Dead 0.9 Live 1 Sn	ow 1.15 Wind 1.6 Const. 1.2	25 Comments
	Bearing Length	0-3-8			
	Self Weight		7 PLF		
otes		chemicals	6. For flat roofs provide proper drainage to prevent	Manufacturer Info	Comtech, Inc. 1001 S. Reilly Road, Suite #639
alculated Struc	ctured Designs is responsible only of the uacy of this component based on the		ponding	Metsä Wood 301 Merritt 7 Building, 2nd Eloor	Fayetteville, NC USA
esian criteria		1. LVL beams must not be cut or drilled 2. Refer to manufacturer's product information recarding installation requirements multiply		301 Merritt 7 Building, 2nd Floor Norwalk, CT 06851	28314 910-864-TRUS
nsure the co	the customer and/or the contractor to omponent suitability of the intended I to verify the dimensions and loads.	regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals		(800) 622-5850 www.metsawood.com/us	
umber		<ol> <li>Damaged Beams must not be used</li> <li>Design assumes top edge is laterally restrained</li> </ol>		*****.III013a#000.0011/05	
	conditions, unless noted otherwise be treated with fire retardant or corrosive	<ol> <li>Provide lateral support at bearing points to avoid lateral displacement and rotation</li> </ol>	This design is valid until 11/2/2024		соттесн
			This design is valid until 11/3/2024	1	

	Client: Wellco Contractors	Date:	7/15/2022	Page 7 of 7
	Project:	Input by:		
isDesign	Address:	Job Nam	e: Plan 1 Beams	
		Project #	: :	
BM2 Kerto-S LVL	1 750" X 9 250"	2-Ply - PASSED	Level: Level	
DIVIZ REI 10-3 LVL	1.750 × 9.250	2-FIY - FASSED		
• •	• •	• •	• -	
			12	
			• <1 1/2"	Å   Å   9 1/
•	• •	• •	•	
1 SPF			2 SPF	
<del> </del>	6'7"			3 1/2"
/	6'7"		ł	
	07		I	
Multi-Ply Analysis				
	d Roy pails ( 120,2") at 12"	o c Maximum and distance -	at to averad f"	
Fasten all plies using 2 rows of 100 Capacity 0.0 %	a box halls (.120x3 ) at 12	o.c Maximum end distance n	ot to exceed 6.	
Capacity 0.0 % Load 0.0 PLF				
Yield Limit per Foot 163.7 P				
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				
Notos	emicals	6. For flat roofs provide proper drainage to prevent	Manufacturer Info	Comtech, Inc.
Calculated Structured Designs is responsible only of the Hand	dling & Installation	<ol> <li>For flat roors provide proper drainage to prevent ponding</li> </ol>	Metsä Wood	1001 S. Reilly Road, Suite #639 Fayetteville, NC
design criteria and loadings shown. It is the 2. Re	L beams must not be cut or drilled efer to manufacturer's product information		301 Merritt 7 Building, 2nd Floor Norwalk, CT 06851	USA 28314 010 864 TRUS
responsibility of the customer and/or the contractor to ensure the component suitability of the intended fas	garding installation requirements, multi-ply stening details, beam strength values, and code		(800) 622-5850	910-864-TRUS
application, and to verify the dimensions and loads. ap	provals amaged Beams must not be used		www.metsawood.com/us	
1. Dry service conditions, unless noted otherwise 4. De 5. Pro	esign assumes top edge is laterally restrained ovide lateral support at bearing points to avoid			соттесн
at the second with the related in controlive late	eral displacement and rotation	This design is valid until 11/3/2024		