



Exterior Elevation Left

NOTES: Grade per SITE conditions per BUILDER, CRAWLSPACE Masonry FOUNDATION, ELEVATION set by BUILDER to SITE conditions, Steps and Railings per site CONDITIONS per BUILDER, VINYL siding, STACKED STONE elevation per GRADE and adjusted by BUILDER

Exterior Elevation Front SCALE 1/4"=1'



Exterior Elevation Back

SCALE 1/8"=1'

Exterior Elevation Right

SEE FOUNDATION NOTE



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EVA

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EXTERIOR

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PLAN 1L-2440 E design PJK

South Scan, INC. Willow Spring, NC 27592 Copyright, rights reserved

DATE:

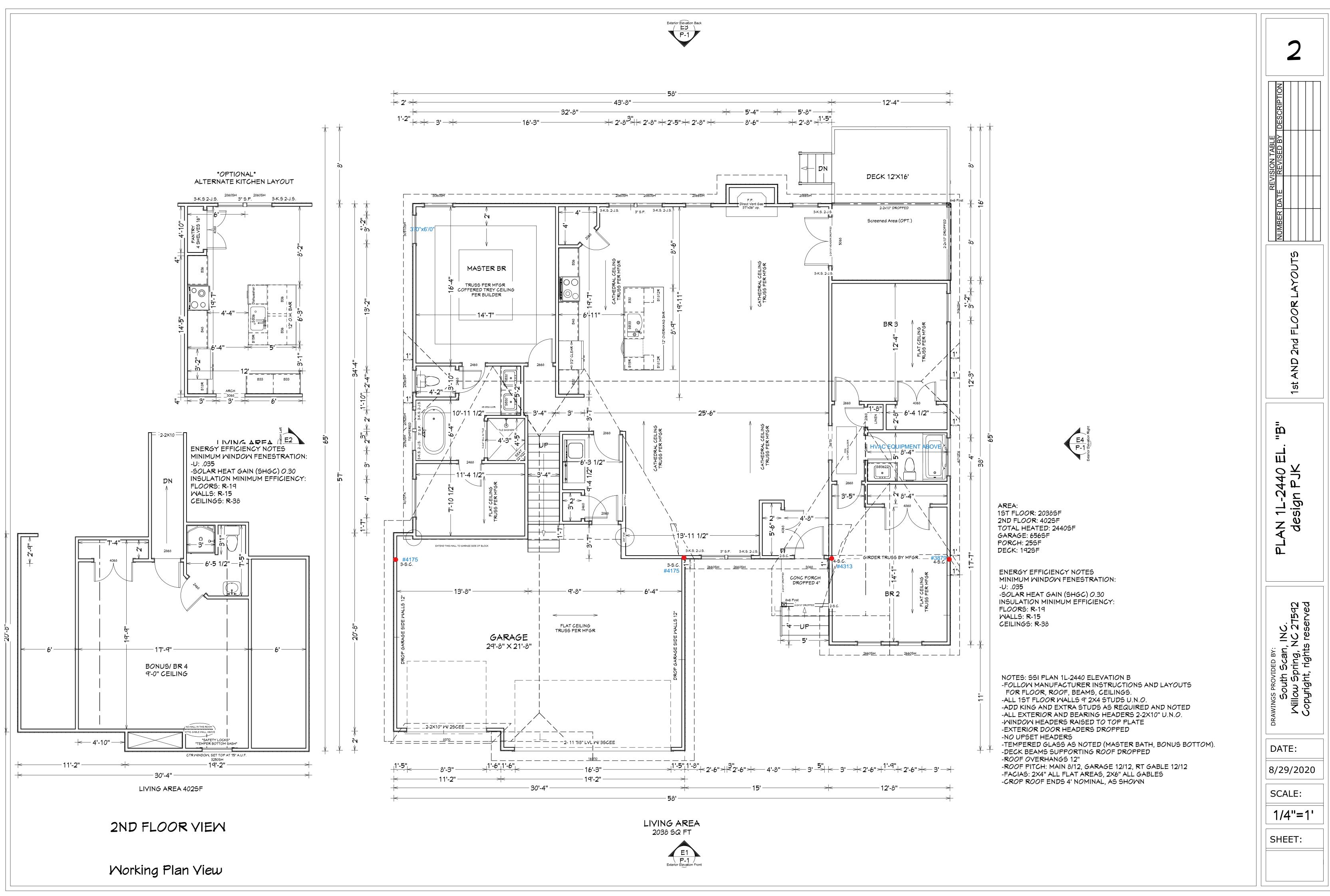
8/29/2020

SCALE:

SHEET:

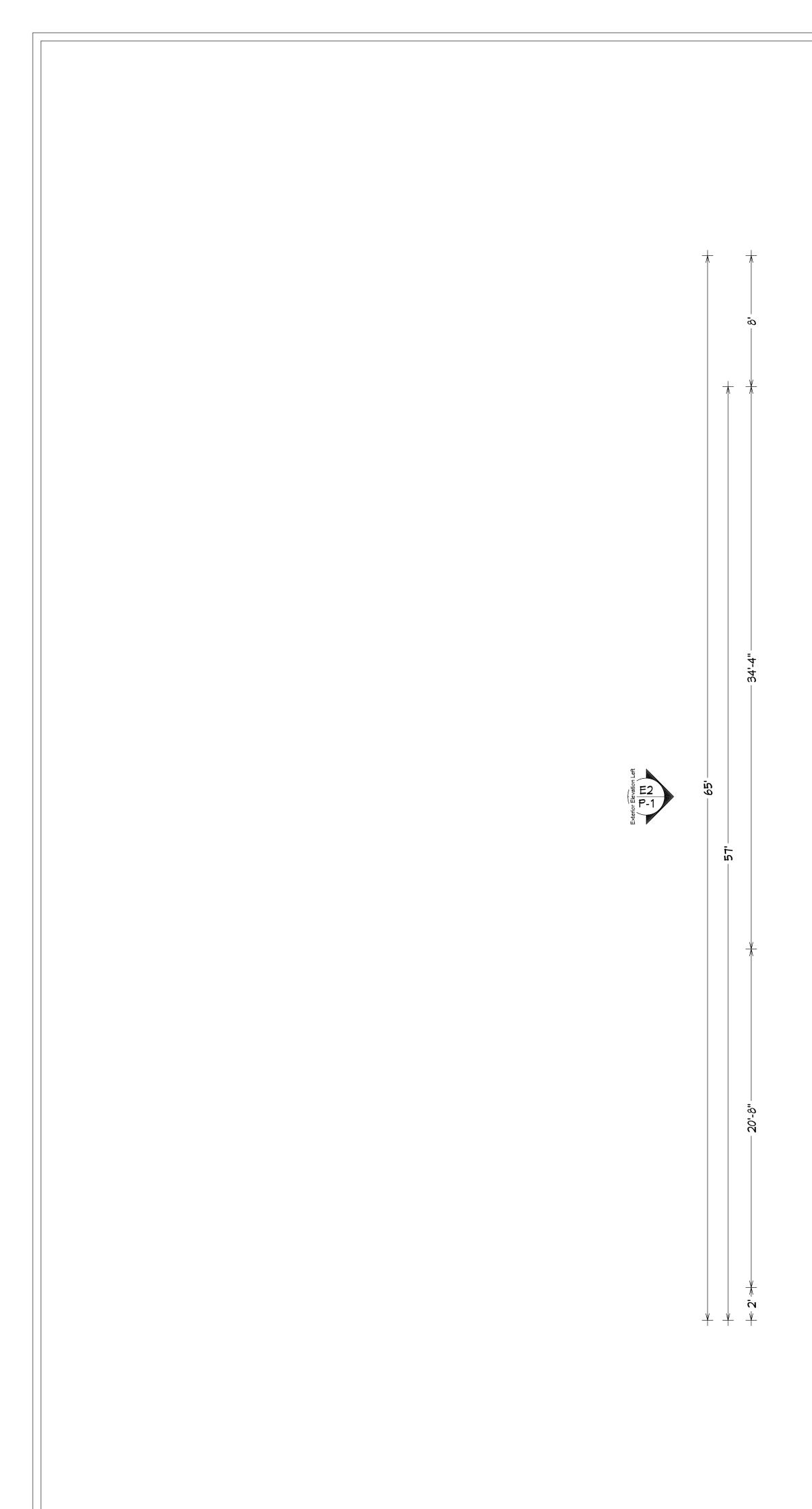
1/4"=1'

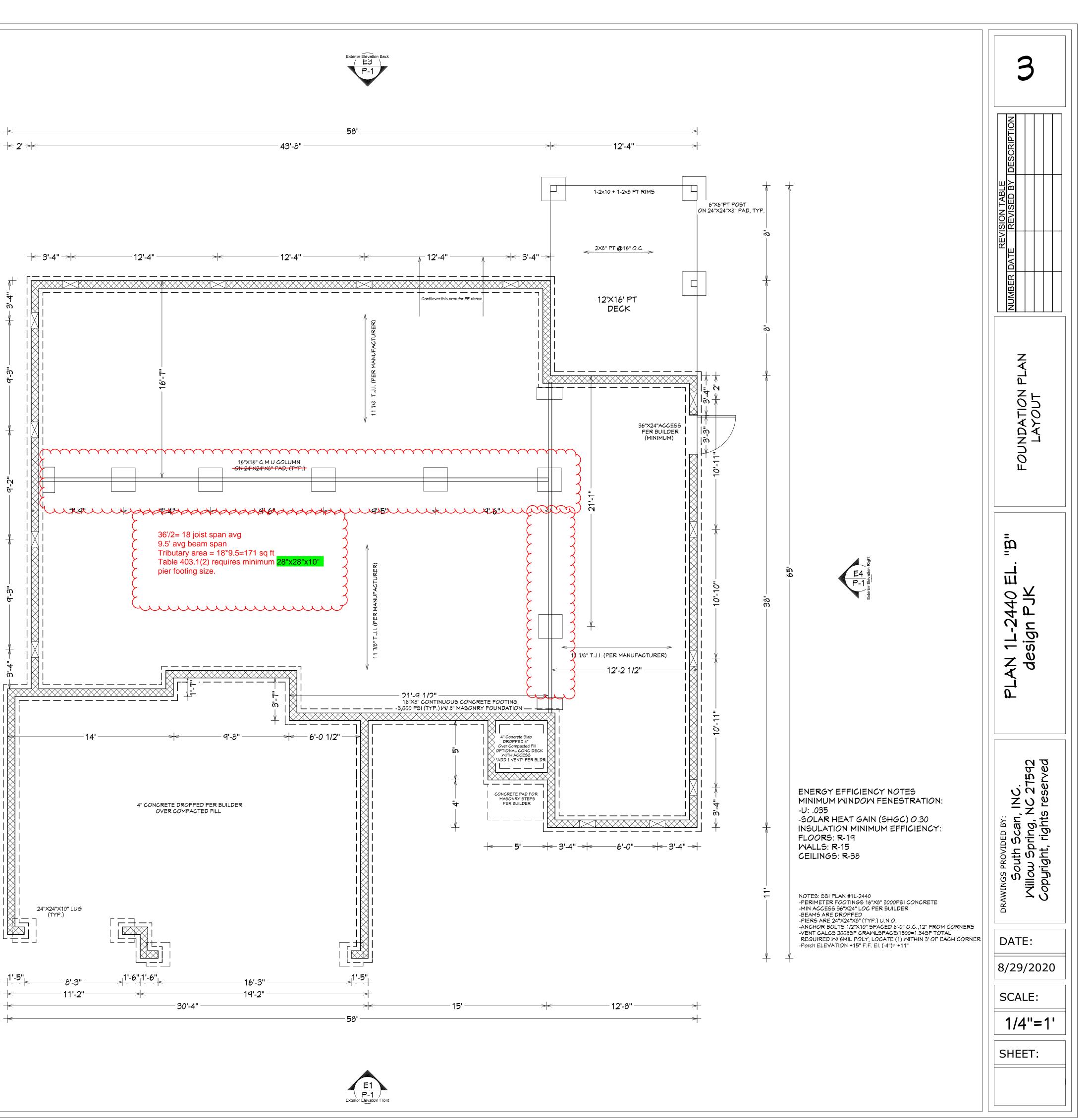
P-1



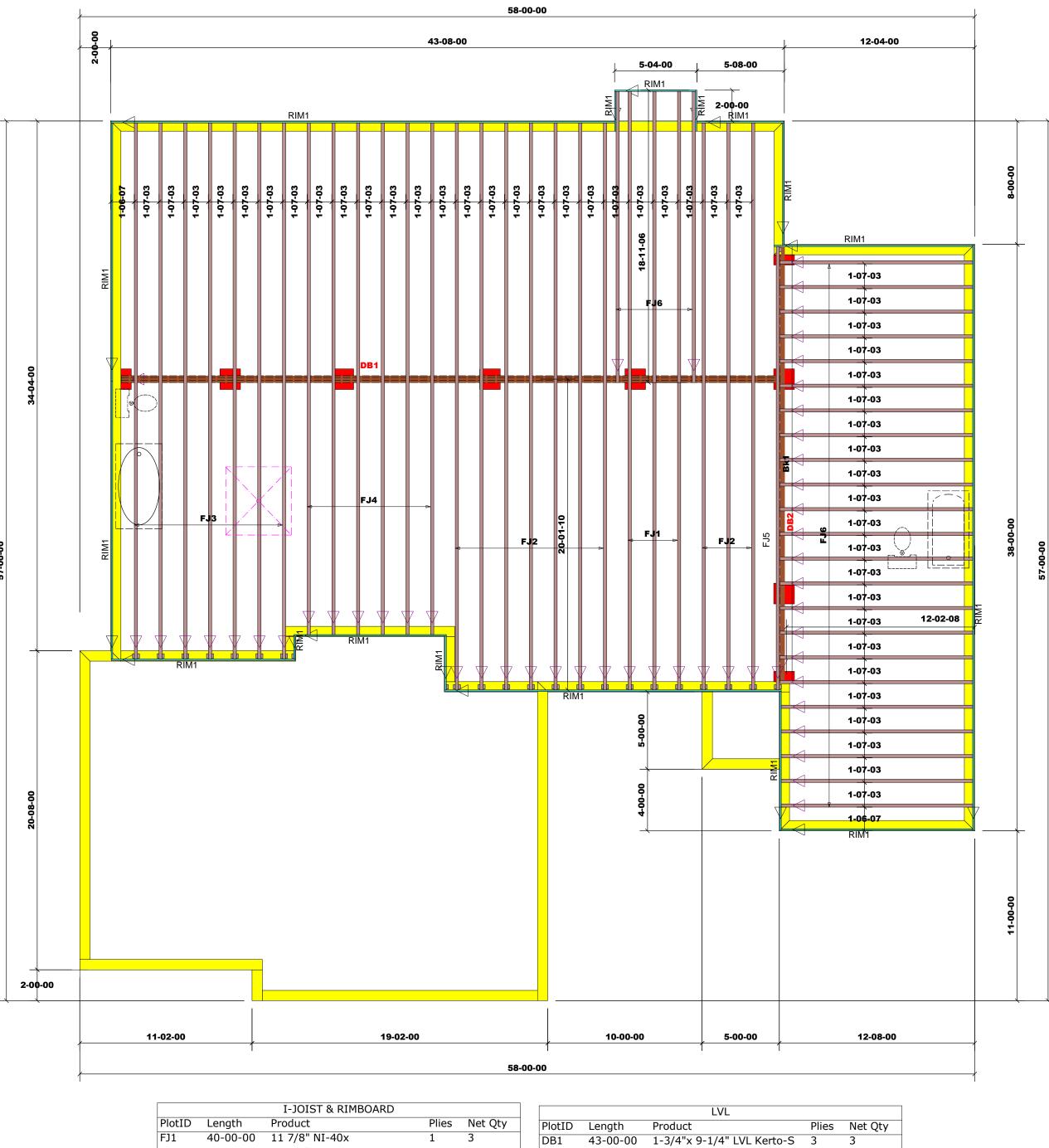


Working Plan View





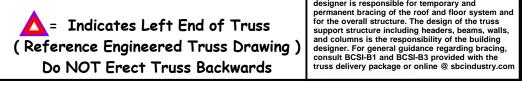




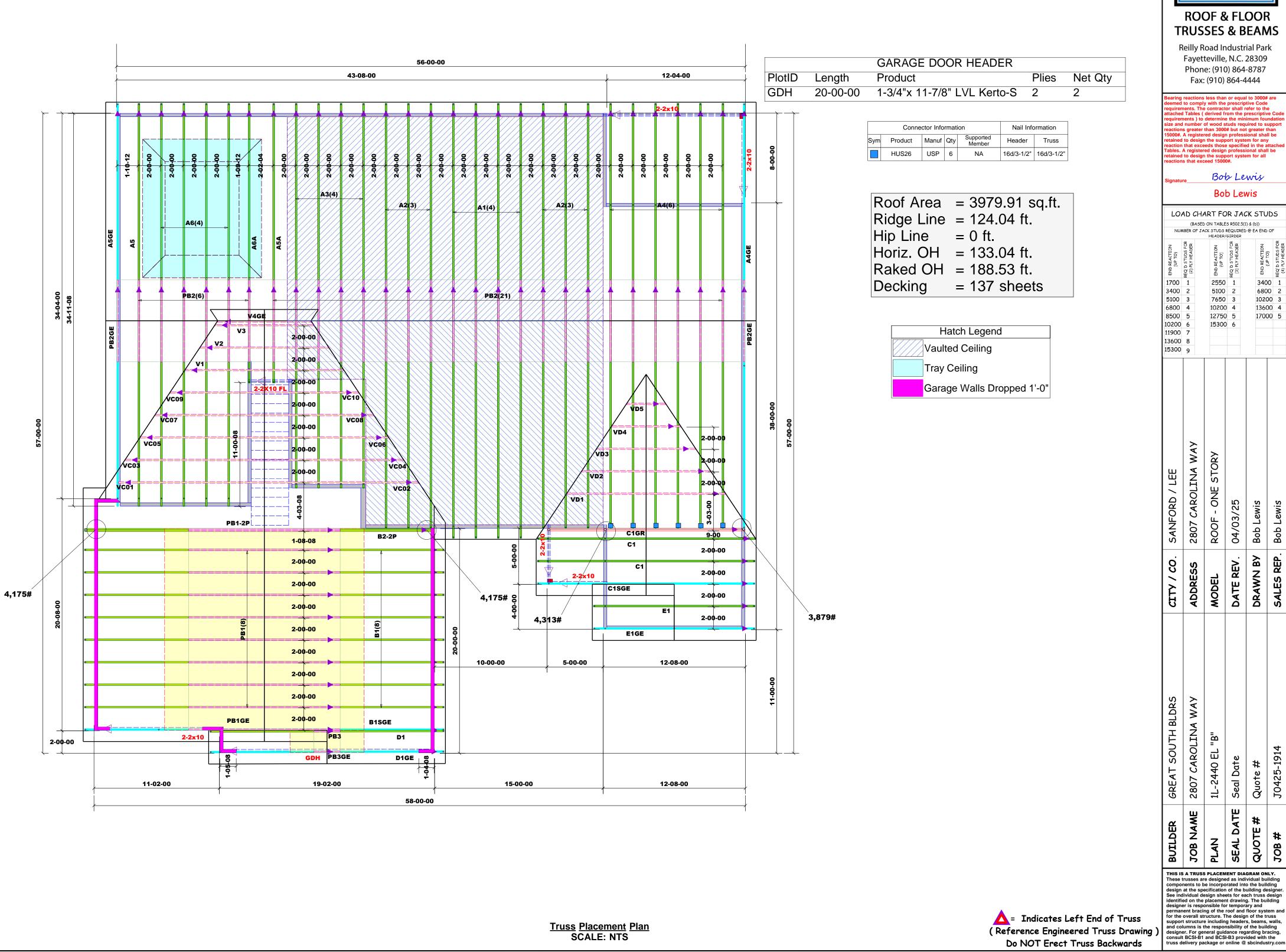
		I-JOIST & RIMBOARD					
PlotID	Length	Product	Plies	Net Qty	PlotID	Length	P
FJ1	40-00-00	11 7/8" NI-40x	1	3	DB1	43-00-00	1
FJ2	38-00-00	11 7/8" NI-40x	1	10	DB2	28-00-00	1
FJ3	36-00-00	11 7/8" NI-40x	1	7			
FJ4	34-00-00	11 7/8" NI-40x	1	6			
FJ5	30-00-00	11 7/8" NI-40x	1	1			
FJ6	20-00-00	11 7/8" NI-40x	1	2		NI40	0 BL
FJ6	14-00-00	11 7/8" NI-40x	1	23	PlotID	Length	Pr
RIM1	12-00-00	1 1/8" x 11 7/8" Rim Board	1	20	Bk1	1-04-11	11
ι					-		

LVL		
Product	Plies	Net Qty
1-3/4"x 9-1/4" LVL Kerto-S	3	3
1-3/4"x 9-1/4" LVL Kerto-S	2	2

OC	
Plies	Net Qty
1	18



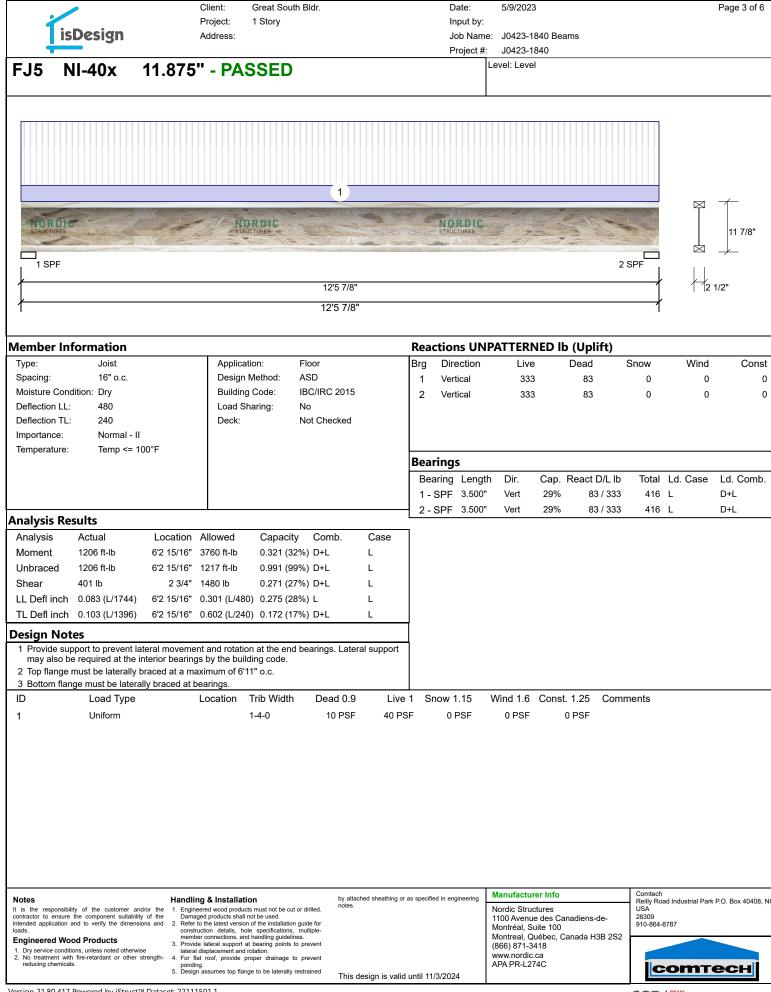
		OF 8	k FL		
R	Fayet Phon	teville e: (910			
deemed requirem attached requirem size and reaction 15000#. retained reaction Tables.	to comply nents. The Tables (nents) to number of s greater A register that exce A register to design s that exce	y with the e contract derived f determin of wood s than 3000 red design of the supp seds thoss ed design the supp sed 1500	e prescrip tor shall r rom the p e the min studs req D# but no n profess port syste oprt syste 0#. b Le	wis	e e ve Code indation upport than ll be y ttached
LOP		ART FC		CK STL	IDS
		CK STUDS	/GIRDER B B B B B B B B B B B B B B B B B B B	(1) & (b)) © EA END Superior Supe	1 00 2 00 4 00 4 00
CITY / CO. SANFORD / LEE	2807 CAROLINA WAY	CRAWL FLOOR	04/03/25	Bob Lewis	Bob Lewis
CITY / CO .	ADDRESS	WODEL	DATE REV.	DRAWN BY	SALES REP. Bob Lewis
GREAT SOUTH BLDRS	2807 CAROLINA WAY	1L-2440 EL "B"	Seal Date	Quote #	J0425-1915
BUILDER	JOB NAME	PLAN	SEAL DATE	QUOTE #	JOB #
These to compose design See ind identified designed perman for the support	russes ar nents to b at the spe ividual de ed on the er is respe ent brach overall st t structure	e designe be incorpo ecification esign she placemen onsible fo ng of the ructure. T e includin	ed as indi prated int n of the b ets for ea nt drawin or tempor roof and The desig ng header	GRAM ON ividual buil o the buil uilding de ach truss g. The buil ary and floor sys n of the t s, beams of the buil	ilding ding esigner. design ilding tem and russ , walls,

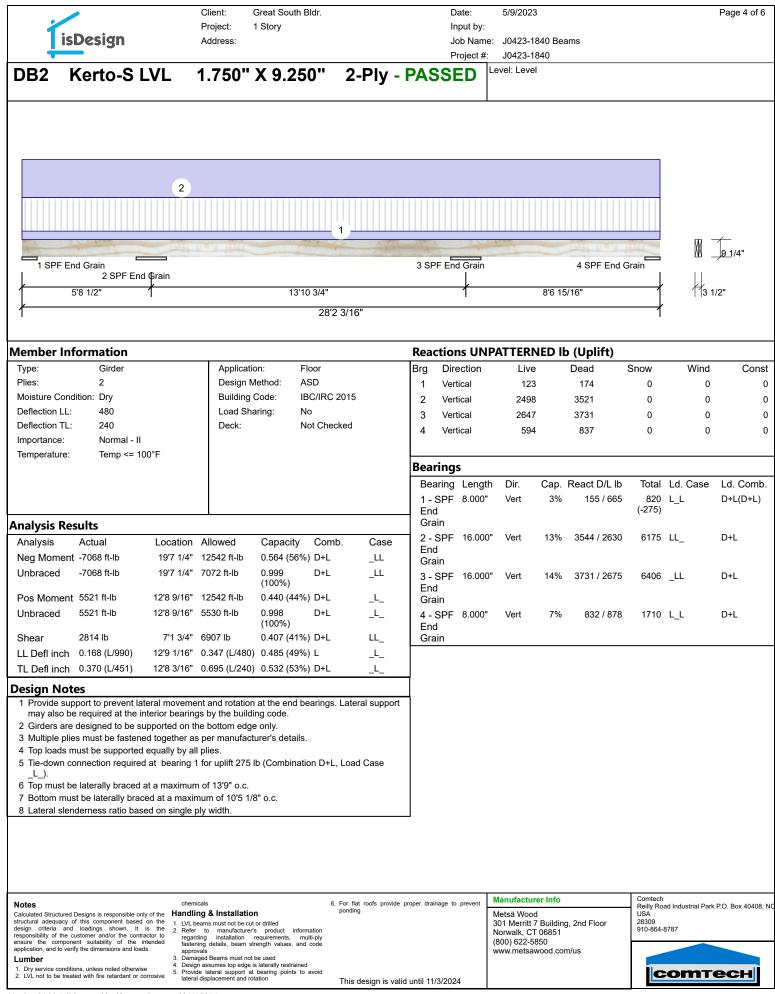


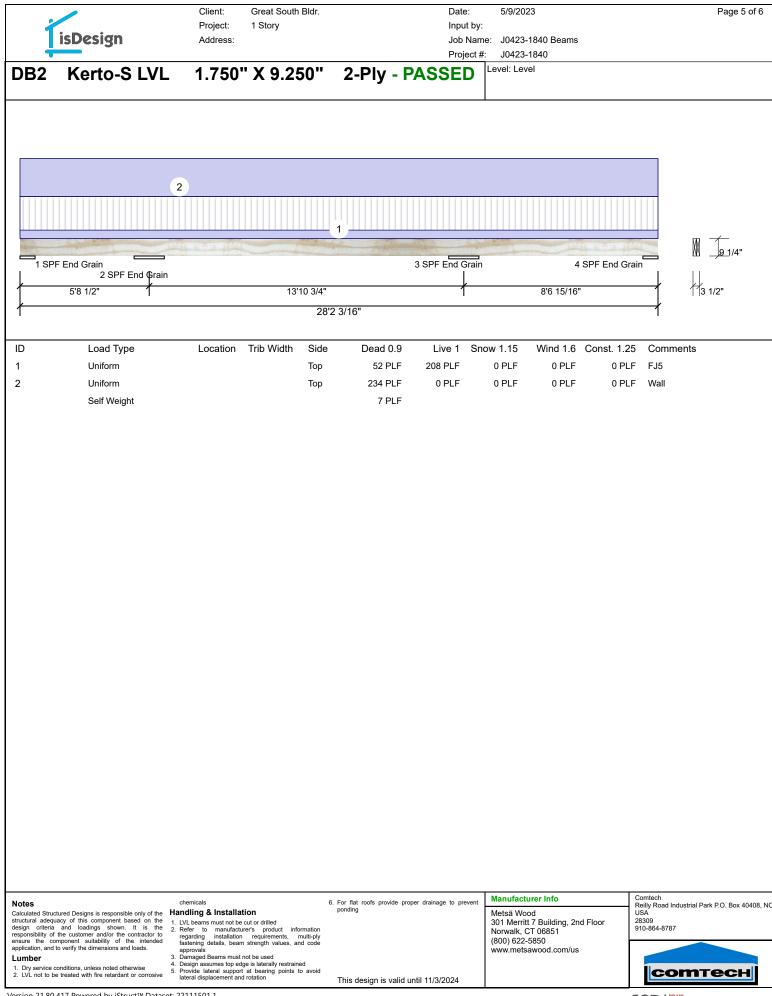
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		С	lient:	Great South E	Bldr.			Date:		5/9/2023					Page	1 of 6
· ·		P	roject:	1 Story				Input b	-							
19	Design	A	ddress:							J0423-18 J0423-18		ns				
DB1	Karta S I \	// /	750"	V 0 25	0" 2			Projec		evel: Level						
DDI	Kerto-S L\		.750	X 9.25	0 3-	Piy -	PA	99ED								
	d Grain 2 SPF	3 S 7'4"	PF End Gra		1 4 SPF 6"	End Grain		9'5"	5 SP	F End Gra	in	6 SPF End 9'4 1/8"	Grain	M		
1					42'8 1/8"								1			
Member In	formation						Rea	ctions U	JNP	ATTERN	IED lb	(Uplift)				
Туре:	Girder		Application		loor		Brg	Directio		Live			Snow	Wind	(Const
Plies:	3		Design M		SD		1	Vertical		2891		756	0	0		0
Moisture Con			Building		BC/IRC 2015		2	Vertical		6645		1738	0	0		0
Deflection LL Deflection TL			Load Sha Deck:	-	es ot Checked		3	Vertical		7756		2029	0	0		0
Importance:	Normal - II		Deor.	IN	or Olicoi/Cu		4	Vertical		8665		2267	0	0		0
Temperature:		'F					5	Vertical		9171		2399	0	0		0
							6	Vertical		3666		959	0	0		0
								rings								
								aring Ler SPF 8.0	-	Dir. Vert	Cap. F 12%	React D/L lb 753 / 3341	Total		Ld. C D+L	omb.
Analysis Re	esults						En	d	UU	vert	1∠%	103/3341	4094	L_L_L	U+L	
Analysis	Actual	Location A	llowed	Capacity	Comb.	Case	Gra		000"	Vort	27%	1744 / 7786	0500		D+L	
Neg Momer	nt -10749 ft-lb	33'4" 19	9565 ft-lb	0.549 (55%)) D+L	_L_LL		SPF 16.0 SPF 16.0		Vert Vert	27% 16%	2028 / 9043		LL_L_ _LL_L	D+L D+L	
Unbraced	-10749 ft-lb	33'4" 10	0751 ft-lb	1.000 (100%)	D+L	_L_LL	En		000	Ven	1070	20207 3040	11071		DIE	
Pos Momen	t 8433 ft-lb	38'2 7/8" 19	9565 ft-lb	0.431 (43%)) D+L	L_L_L	Gra									
Unbraced	8433 ft-lb	38'2 7/8" 84		0.999	D+L	L_L_L	4 - En	SPF 16.	000"	Vert	17%	2261 / 9794	12055	L_LL_	D+L	
				(100%)			Gra									
Shear	4601 lb	34'9 1/4" 10		0.444 (44%)	,	_L_LL		SPF 16.	000"	Vert	17%	2409 / 9917	12326	_L_LL	D+L	
LL Defl inch				0.705 (70%)		L_L_L	En									
TL Defl inch	0.181 (L/578)	37'10 7/8" 0.	.437 (L/240)	0.415 (42%)) D+L	L_L_L	Gra		00"	Vert	14%	954 / 4136	5001		D+L	
Design No							6 - En	SPF 8.0 d	00	vert	14%	904 / 4130	5091	L_L_L	U+L	
	pport to prevent later be required at the inte				earings. Later	al support	Gra									
-	e designed to be supp	-	-	-					_		_		_	_		_
3 Multiple pli	ies must be fastened	together as p	er manufact													
•	must be supported ec be laterally braced at a			0.0												
•	ist be laterally braced															
	nderness ratio based	on single ply	width.													
ID	Load Type	Lo	ocation T	rib Width	Side	Dead 0.9		Live 1 S	Snow	v 1.15	Wind 1.	6 Const. 1.	25 Co	mments		
1	Uniform				Тор	227 PLF	9	09 PLF		0 PLF	0 PL	F 0 P	LF FJ1			
	Self Weight					11 PLF										
										Manufacture	or Info		Comtech			
Notes	1 Designs is reenancible and of	chemicals	& Installatio	n	For flat ponding	roofs provide p	proper dra	inage to preve		Manufacture Vetsä Wood				ad Industrial Par	k P.O. Box	40408,
structural adequacy design criteria an	d Designs is responsible only of of this component based on d loadings shown. It is	the 1. LVL beam	is must not be cut	or drilled					3	301 Merritt 7	' Building,	2nd Floor	28309 910-864-	8787		
responsibility of the ensure the compo	customer and/or the contracto nent suitability of the inten	the 2. Refer to r to regarding ided fastening	installation	s product inform requirements, mu rength values, and	ılti-ply					Norwalk, CT (800) 622-58			310-804-	0.01		
application, and to ve	rify the dimensions and loads.	approvals 3. Damaged	Beams must not	be used						www.metsaw		us				
1. Dry service condi	tions, unless noted otherwise ated with fire retardant or corro	 Design as 5. Provide la 	sumes top edge i ateral support at	s laterally restrained bearing points to	avoid									ют	ec	
 Lic not to be the 		Iateral dis	placement and ro	tation	This c	lesign is valio	d until 11	/3/2024								

	Design		Client: Project: Address:	Great South 1 Story	Bldr.			lnı Jo	oject #:	5/9/2023 : J0423-18 J0423-18	340 Bea	ams			Page 2 of 6
FJ1 N	I-40x 1	1.875	' - PA	SSED					L	evel: Level.					
					1										
1 SPF	NORDIC	NORDIC	HORDIG			End Grain	-	NORDIC		NORDIC	1	NORDIC	3 SPF	ľ,	<u>11</u> 7/8" 2"
					2 SPF								3 5PF		
		20'1 5	5/8"			1				16'7 3/4"				1/2 1/	2"
1					36'9 3/8"								1		
Member Inf	ormation						Poar	tion		ATTEDN) (Uplift)			
Туре:	Joist		Applica	tion: F	loor		Brg		ction	Live		Dead	Snow	Wind	Cons
Spacing:	19.2" o.c.		J J		SD		1	Verti	cal	519		130	0	0	(
Moisture Condi Deflection LL:	ition: Dry 480		Building Load S	-	BC/IRC 2015		2	Verti		1455		364	0	0	
Deflection TL:	240		Deck:		lot Checked		3	Verti	cal	380		95	0	0	
Importance:	Normal - II														
Temperature:	Temp <= 100)°F					Bear	inas							
								_	Length	Dir.	Cap.	React D/L lb	Total	Ld. Case	Ld. Comb
								-	3.500"	Vert	49%	130 / 567	697	L_	D+L
Analysis Res	aults						2 - 3 Enc		3.500"	Vert	61%	364 / 1455	1818	LL	D+L
Analysis	Actual	Location	Allowed	Capacity	Comb.	Case	Gra								
Neg Moment	-3289 ft-lb	20'1 5/8"	3760 ft-lb	0.875 (87%	6) D+L	LL	3 - 5	SPF	3.500"	Vert	40%	95 / 482	577	_L	D+L
Unbraced	-3289 ft-lb	20'1 5/8"	3295 ft-lb	0.998 (100%)	D+L	LL									
Pos Moment	2877 ft-lb	8'8 1/2"	3760 ft-lb	0.765 (77%	6) D+L	L_									
Unbraced	2877 ft-lb	8'8 1/2"	2891 ft-lb	0.995 (100%)	D+L	L_									
Shear	961 lb	20'1 5/8"	1480 lb	0.650 (65%	6) D+L	LL									
LL Defl inch				0) 0.936 (94%		L_									
	0.556 (L/430)	9'6 11/16"	0.995 (L/24)	0) 0.559 (56%	6) D+L	L_	┥								
TL Defl inch				on at the end h	earings Later	al support	4								
Design Note		ral movemer	nt and rotation		carings. Later	arsupport									
Design Note 1 Provide supp may also be	port to prevent late required at the int	erior bearings	s by the buil	ding code.											
Design Note 1 Provide supp may also be 2 Top flange m	port to prevent late	erior bearings aced at a ma	s by the buil ximum of 3'8	ding code. 8" o.c.											
Design Note 1 Provide supp may also be 2 Top flange m	port to prevent late required at the int nust be laterally bra	erior bearings aced at a ma: / braced at a	s by the buil ximum of 3'8 maximum o	ding code. 8" o.c.	Dead 0.9	Live	e 1 Sr	now 1	.15	Wind 1.6	Const	. 1.25 Com	ments		







Address: GDH Kerto-S LVL 1.750" X 11.875" 2-Ply - PAS Image: Comparison of the system of the s	Project #:	J0423-1840 Bea J0423-1840 evel: Level			
1 1 1 SPF	SSED				
1 SPF					
1 SPF					
1 SPF					
1 SPF	e at				
1 SPF		*			
					11 7/8"
19'1"			2 SPF		<i>_</i>
					1/2"
1 19'1"				.l	
		ATTERNED Ib			
Type:GirderApplication:FloorBrgPlies:2Design Method:ASD1) Direction Vertical	Live 2060	Dead Sr 2149	ow Wind 0 0	Coi
Moisture Condition: Dry Building Code: IBC/IRC 2015 2	Vertical	2043	2130	0 0	
Deflection LL: 480 Load Sharing: No Deflection TL: 240 Deck: Not Checked					
Importance: Normal - II					
Temperature: Temp <= 100°F	•				
	arings				
	earing Length - SPF 17.500"	Dir. Cap. Vert 16%	React D/L lb 2149 / 2060	Total Ld. Case 4209 L	Ld. Con D+L
	- SPF 17.500 - SPF 16.500"	Vert 17%	2149 / 2000	4209 L 4173 L	D+L
nalysis Results					
Analysis Actual Location Allowed Capacity Comb. Case					
Moment 14722 ft-lb 9'7" 19911 ft-lb 0.739 (74%) D+L L Unbraced 14722 ft-lb 9'7" 14755 ft-lb 0.998 D+L L					
Unbraced 14722 ft-lb 9'7" 14755 ft-lb 0.998 D+L L (100%)					
Shear 3143 lb 2'5 3/8" 8867 lb 0.355 (35%) D+L L					
LL Defl inch 0.376 (L/523) 9'7 1/16" 0.409 (L/480) 0.919 (92%) L L					
TL Defl inch 0.768 (L/256) 9'7 1/16" 0.819 (L/240) 0.938 (94%) D+L L					
esign Notes					
1 Provide support to prevent lateral movement and rotation at the end bearings. Lateral support may also be required at the interior bearings by the building code.					
2 Girders are designed to be supported on the bottom edge only.					
3 Multiple plies must be fastened together as per manufacturer's details.4 Top loads must be supported equally by all plies.					
5 Top must be laterally braced at a maximum of 5'4 1/2" o.c.					
6 Bottom must be laterally braced at end bearings.7 Lateral slenderness ratio based on single ply width.					
	Live 1 Snow	v 1.15 Wind 1	I.6 Const. 1.25	Comments	
ID Load Type Location Trib Width Side Dead 0.9	Live I Show	i i i i i i i i i i i i i i i i i i i			
		0 PLF 0 P			