ELITE PANEL SPAN TABLES: 1. Net allowable loads are permitted to be multiplied by 1.67 to derive ultiplied by 1

NET	мах				NET
ALLOWABLE	MAX, ALLOWABLE SPAN (FT)				ALLOWA
LOAD (PSF) ¹	L/80	L/120	L/180	L/240	LOAD (P
10	16.17	15.76	15.03	14.10	10
20	13.44	13.44	12.22	10.35	20
30	10.78	10.78	9.41	6.60	30
40	9.22	9.22	6.60	2.85	40
50	8.17	8.17	3.79	-	50
60	7,40	6.39	0.98	-	60
70	6.81	4.51	-	-	70
80	6.33	2.64	-	-	80
4″ × 0,024 (Allowabli					4″ × C (Allow
NET		ALLOWAE			NET
ALLOWABLE Load (PSF) ¹	1 (00	4.00	1 (100	1 (0.40	ALLOWA
	L/80	L/120	L/180	L/240	LOAD (P
10	19.00	19.00	17.17	16.53	10
20	15.01	15.01	15.01	13.95	20
30	12.50	12.50	12.50	11.38	30
40	10.97	10.97	10.97	8.80	40
50	9.92	9.92 9.13	9.44	6.22	50
<u> </u>			7.51	3.64	60
60	9.13				
70	8.52	8.52	5.58	1.07	70
				1.07 -	80
70 80	8.52 8.02	8.52 8.02	5.58 3.64	-	80
70 80 6" × 0.024	8.52 8.02 × 1 -	8.52 8.02	5.58 3.64	- NELS	
70 80 6″ × 0.024 (ALLOWABLI NET ALLOWABLE	8.52 8.02 × 1 - E CLE	8.52 8.02	5.58 3.64 PS PA AN CH	- INELS ARTS)	6″×0 (ALLOW NET ALLOWA
70 80 6″ × 0.024 (ALLOWABLI NET	8.52 8.02 × 1 - E CLE	8.52 8.02 - LB E AR SPr Allowae	5.58 3.64 PS PA AN CH BLE SPAN	- INELS ARTS)	6" × 0 (ALLDW NET
70 80 6″ × 0.024 (ALLOWABLI NET ALLOWABLE	8.52 8.02 × 1 - E CLE MAX. 6	8.52 8.02 - LB E AR SP(5.58 3.64 PS PA AN CH	- NELS ARTS) N (FT)	6″×0 (ALLOW NET ALLOWA
70 80 6″×0.024 (ALLOWABLI NET ALLOWABLE LOAD (PSF) ¹	8.52 8.02 × 1 - E CLE MAX. 4	8.52 8.02 - LB E AR SPr ALLOWAE L/120	5.58 3.64 PS PA AN CH BLE SPAN	- NELS ARTS) N (FT) L/240	6″×0 (ALLUW NET ALLUWA LOAD (P
70 80 6″ × 0.024 (ALLOWABLI NET ALLOWABLE LOAD (PSF) ¹ 10	8.52 8.02 × 1 - E CLE MAX. (L/80 23.00	8.52 8.02 - LB E AR SPr ALLOWAB L/120 21.24	5.58 3.64 AN CH BLE SPAN L/180 21.47	- NELS ARTS) N (FT) L/240 20.85	80 6″×0 (ALLUW NET ALLUWA LOAD (P 10
70 80 6" × 0.024 (ALLOWABLI NET ALLOWABLE LOAD (PSF) ¹ 10 20	8.52 8.02 × 1 - E CLE MAX. (L/80 23.00 18.06	8.52 8.02 - LBE ARSPr ALLOWAE L/120 21.24 18.06	5.58 3.64 AN CH 3LE SPA1 L/180 21.47 18.06	- NELS ARTS) N (FT) L/240 20.85 18.06	80 6″×0 (ALLOW NET ALLOWA LOAD (P 10 20
70 80 6" × 0.024 (ALLDWABLI NET ALLDWABLE LDAD (PSF) ¹ 10 20 30	8.52 8.02 × 1 - CLE MAX. (L/80 23.00 18.06 15.13	8.52 8.02 - LBE ARSPr ALLOWAE L/120 21.24 18.06 15.13	5.58 3.64 AN CH BLE SPAN L/180 21.47 18.06 15.13	- NELS ARTS) V (FT) L/240 20.85 18.06 15.13	80 6″×0 (ALL□W NET ALL□WA L□AD (P 10 20 30
70 80 6" × 0.024 (ALLDWABLI ALLOWABLE LOAD (PSF) ¹ 10 20 30 40	8.52 8.02 × 1 - CLE MAX. 23.00 18.06 15.13 13.34	8.52 8.02 - LBE ARSPr ALLOWAE L/120 21.24 18.06 15.13 13.34	5.58 3.64 AN CH BLE SPAN L/180 21.47 18.06 15.13 13.34	- NELS ARTS) N (FT) L/240 20.85 18.06 15.13 13.34	80 6″×0 (ALL□W NET ALL□WA L□AD (P 10 20 30 40
70 80 6" × 0.024 (ALLOWABLI ALLOWABLE LOAD (PSF) ¹ 10 20 30 40 50	8.52 8.02 × 1 - CLE MAX. 23.00 18.06 15.13 13.34 12.10	8.52 8.02 - LBE ARSPr ALLOWAE L/120 21.24 18.06 15.13 13.34 12.10	5.58 3.64 PS PA AN CH BLE SPAN L/180 21.47 18.06 15.13 13.34 12.10	- NELS ARTS) N (FT) L/240 20.85 18.06 15.13 13.34 10.91	80 6″×0 (ALL□w NET ALL□WA L□AD (P 10 20 30 40 50

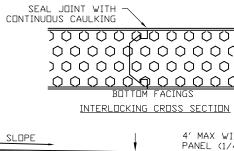
$3'' \times 0.032$	× 1 -	LBE	PS PA	NELS				
ALLOWABLI								
NET ALLOWABLE	OWABLE							
LOAD (PSF) ¹	L/80	L/120	L/180	L/240				
10	17.50	17.50	16.91	15.96				
20	16.64	15.96	14.06	12.16				
30	15.17	14.06	11.21	8.36				
40	13.69	12.16	8.36	4.56				
50	12.22	10.26	5.51	0.76				
60	10.75	8.36	2.66	-				
70	9.27	6.46	-	-				
80	7.80	4.56	-	-				
			1					
4″ × 0.032 Allowabli								
NET ALLOWABLE	MAX. ALLOWABLE SPAN (FT)							
LOAD (PSF) ¹	L/80	L/120	L/180	L/240				
10	20.50	20.50	20.11	19.24				
20	19.61	19.24	17.49	15.74				
30	18.17	17.49	14.87	12.24				
40	16.72	15.74	12.24	8.74				
50	15.28	13.99	9.62	5.25				
60	13.84	12.24	7.00	1.75				
70	12.40	10.49	4.38	-				
80	10.95	8.74	1.75	-				
5″ × 0.032 Allowabli								
NET ALLOWABLE	MAX. ALLOWABLE SPAN (FT)							
LOAD (PSF) ¹	L/80	L/120	L/180	L/240				
10	24.00	24.00	24.00	23.42				
20	23.34	23.21	21.82	20.22				
30	22.10	21.63	19.42	17.02				
40	20.86	20.05	17.02	13.82				
50	19.62	18.47	14.62	10.62				
60	18.38	16.89	12.22	7.42				
70	17.14	15.30	9.82	4.22				
80	15.91	13.72	7.42	1.02				
	1	1	1	1				

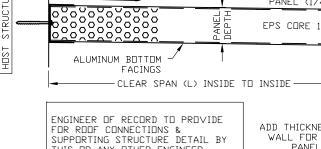
3″ × 0.024	x 2 -	- LB E	IPS PA	ANELS	3″ × 0.030
(ALLOWABL	E CLE	AR SP	AN CH	ARTS)	(ALLOWABL
NET ALLOWABLE	MAX. 4	ALLOWAE	NET ALLOWABLE		
LOAD (PSF) ¹	L/80	L/120	L/180	L/240	LOAD (PSF) ¹
10	19.33	18.95	18.31	17.66	10
20	18.11	17.66	16.36	15.06	20
30	16.80	16.36	14.41	12.46	30
40	15.49	15.06	12.46	9.86	40
50	14.18	13.76	10.51	7.26	50
60	12.87	12.46	8.57	4.67	60
70	11.57	11.16	6.62	2.07	70
80	10.26	9.86	4.67	-	80
4″ × 0.024	× 2 -	- LB E	IPS PA	ANELS	4″ × 0,030
(ALLOWABLE	E CLE	AR SP	AN CH	ARTS)	(ALLOWABL
NET ALLOWABLE	NET ALLOWABLE				
LOAD (PSF) ¹	L/80	L/120	L/180	L/240	LOAD (PSF) ¹
10	21.97	21.97	21.52	20.97	10
20	20.77	20.77	19.86	18.76	20
30	19.57	19.57	18.21	16.55	30
40	18.36	18.36	16.55	14.34	40
50	17.16	17.16	14.89	12.13	50
60	15.96	15.96	13.24	9.93	60
70	14.75	14.75	11.58	7.72	70
80	13.55	13.55	9,93	5.51	80
$6'' \times 0.024$					6″ × 0.030
(ALLOWABLE	E CLE	AR SP	AN CH	ARTS)	(ALLOWABL
NET ALLOWABLE	NET ALLOWABLE				
LOAD (PSF) ¹	L/80	L/120	L/180	L/240	LOAD (PSF) ¹
10	23.93	23.93	23.88	23.60	10
20	23.20	23.20	23.03	22.46	20
30	22.47	22.47	22.18	21.33	30
40	21.75	21.75	21.33	20.20	40
50	21.02	21.02	20.49	19.07	50
60	20.29	20.29	19.64	17.94	60
70	19.57	19.57	18.79	16.81	70
80	18.84	18.84	17.94	15.68	80

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GENERAL NOTES

- 1. Composite panels shall be constructed using type 3003-H154 aluminum facings, 1 or 2 PCF ASTM C-578 carpenter brand EPS adhere to aluminum facings with Ashland Chemical 2020D ISO grip. Fabrication to be by Elite panel products only in accordance with approved fabrication methods.
- Elite roof panels maintain a UL 1715 (int) class 'B' (ext) rating and are NER-501 approved. 2
- 3. This specification has been designed and shall be fabricated in accordance with the requirements of the Florida Building Code 6th Edition (FBC), composite panels comply with Chapter 7 Section 720, Chapter 8 Section 803, Class A interior finish, and Chapter 26 Section 2603. All local building code amendments shall be adhered to as required.
- The designer shall determine by accepted engineering practice the allowable loads for site specific load conditions (including 4. load combinations) using the data from the allowable loads tables and spans in this approval.
- Deflection limits and allowable spans have been listed to meet FBC including the HVHZ. In HVHZ, this product shall be used 5. in structures "not to be considered living areas" per Section 1616 unless impact resistance in accordance to the HVHZ requirements are met.
- Safety factor of 2.0 has been used to develop allowable loads and spans from testing in accordance to the Guidelines for 6. Aluminum Structures Part 1 and conforms to the FBC Chapter 16 and 20.
- 7. Testing has been conducted in accordance to ASTM E72-05: Strength Test of Panels for Building Construction.
- Reference test reports: HETI-05-1988, HETI-06-2104, HETI-06-2066, HETI-06-2105, HETI-06-2067, HETI-05-1002, HETI-8. 06-2107, HETI-05-1987, HETI-06-2069, HETI-06-2070, HETI-06-2071, HETI-05-1994, HETI-05-1991, HETI-06-2072, HETI-06-2073, HETI-06-2074, HETI-05-1996, HETI-05-1989, HETI-05-1993, HETI-05-1985, HETI-05-1995, HETI-05-1990, HETI-05-1997, HETI-05-2037, HETI-05-2029, HETI-05-2039, HETI-05-2030, HETI-05-2041, HETI-05-2048, HETI-05-2036, HETI-05-2031, HETI-05-2038, HETI-05-2065, HETI-05-2040, HETI-05-2042.
- 9. Linear interpolation shall be allowed for figures within the tables shown.
- 10. Panels with fan beams shall be considered equivalent to similar panels without fan beams. Design professionals may include the strength of the fan beam to exceed shown figures as part of site-specific engineering.





THIS OR ANY OTHER ENGINEER.

EPS ROOF PANEL/ SPA

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erive ultim	ate lo	ads (pst).								
3″ × 0.030	x 2 -	- I R F	PS PA	NFLS					KIM		
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NET											
ALLOWABLE	MAX. 4	ALLUWAE	BLE SPAR	SPAN (FT)			CONSULTING STRUCTURAL				
LOAD (PSF) ¹	L/80	L/120	L/180	L/240					VEERS		
10 20	20.11 19.02	20.03 18.81	19.42 17.58	18.81 16.35							
30	17.93	17.58	15.73	13.89					X 10039		
40 50	16.83 15.74	16.35 15.12	13.89 12.05	11.43 8.97					FL 33679 857-9955		
60	14.64	13.89	10.21	6.52							
70 80	13.55 12.46	12.66 11.43	8.36 6.52	4.06		Rev.	/Date		escription D FOR FBC 6th]	
						\triangle	8/12 2017		PRODUCT		
	× 2 -			NELS				7.1110		1	
(ALLOWABLE	E CLE	AR SP	AN CH	ARTS)						4	
NET	MAX. 4		BLE SPAN	V (FT)		\bigtriangleup					
ALLOWABLE			1			\land				1	
LOAD (PSF) ¹	L/80 24.17	L/120 24.17	L/180 24.17	L/240 24.17						4	
20	23.64	23.64	23.41	23.11		\bigtriangleup					
<u> </u>	22.57 21.51	22.57 21.51	21.90 20.39	21.01 18.91						1	
50	20.45	20.45	18.88	16.80					AL		
60 70	19.39 18.33	19.39 18.33	17.37 15.86	14.70 12.59					OV.		
80	17.26	17.26	14.35	10.49			∑,		A PR		
							4650 Lyons Technology Parkway	e	A CORE COMPOSITE PANELS MINUM/ALUMINUM SKIN ATEWIDE PRODUCT APPROVAI		
	× 2 -		IPS PA			atic	ar	20	U N N N		
(ALLOWABLE	ECLE	AR SP	AN CH	ARTS)			<u>ч</u>	33	NUN DU		
NET	MAX. 4	ALLOWAE	BLE SPAN	N (FT)		l S	00	Ľ			
ALLOWABLE Load (PSF) ¹	L/80	L/120	L/180	L/240			ou	Ϋ́,			
10	24.00	24.00	24.00	23.84		ן ב	- C	je.	UNA BOI		
20	23.65	23.65	23.34	22.84		<u> </u> 1	Ĕ	U U U	С Ц Ц Ц Ц Ц Ц		
<u> </u>	22.94 22.23	22.94 22.23	22.59 21.85	21.85 20.85		₽	Suc	nuc	A I A		
50	21.53	21.53	21.10	19.86		e	Ę	ö	ST ST		
60 70	20.82	20.82	20.36 19.61	18.87 17.87		🗄	50	S	DA A R		
80	19.40	19.40	18.87	16.88			46		ORI DRI		
									EPS FOAM ALUN FLORIDA STA		
000000	Å										
000000	PANEL DEPTH							3Y: D BY:	DYK DYK]	
000000	DE PA					SCA		J D I.	AS SHOWN		
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CROSS SECTION				OPTIONAL GUTTER DF	2	4		V	LILLILL I		
A' MAY VIDT				DRIP CAP	` ````````````````````````````````````	L'LL	0	T.	KIN		
4' MAX WIDT PANEL (1/4"/		_OPE)		. 1	Ţ		~	CEN	·		
EPS CORE 1LB		0.0			Ĩ.	F	DC I A F	YEON	NKIM, P.E UMBER 49497	Ę.	
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TO INSIDE		d	.н. — –		* PRU		~	РО ВО	26887 X 10039	-	
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ADD THICKNESS WALL FOR TO		אל DF PAN	X IN FRON Nel Width	@ SIDES			, ,	11777	117.		
PANEL S			AX AT SIDE								
									EL 4004	1	
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PANEL/ SPAN DESCRIPTION						SHEET 1 OF 1					