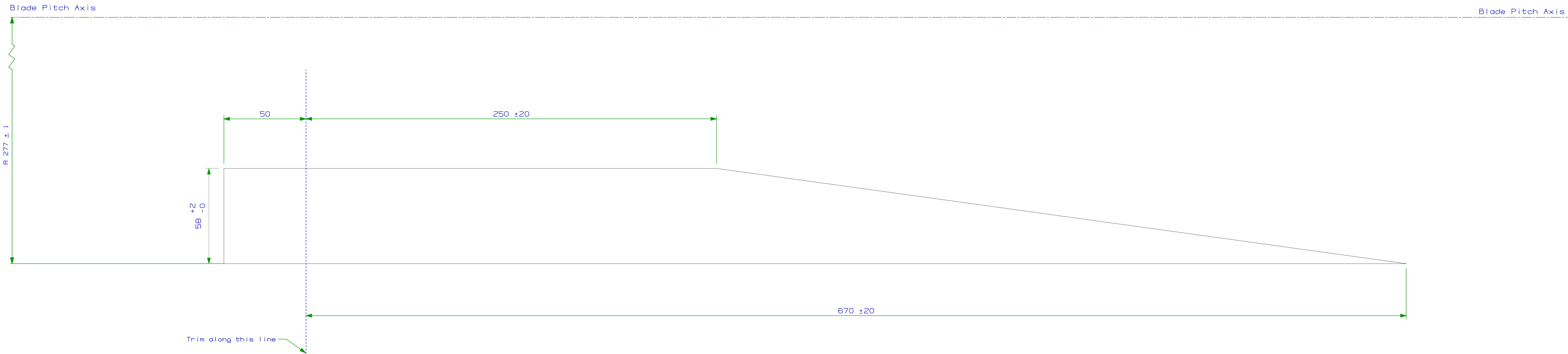


Note: S is measured along the arc length of the blade centerline. Z is measured along pitch axis.

Platforms are shown flattened to illustrate fabric patterns. Patterns are approximate.

0° orientation is along the Z axis.



Layer 01	EUD	0°	S 670
Layer 02	EDB	0°	S 665
Layer 03	EUD	0°	S 659
Layer 04	EDB	0°	S 654
Layer 05	EUD	0°	S 648
Layer 06	EDB	0°	S 643
Layer 07	EUD	0°	S 637
Layer 08	EDB	0°	S 632
Layer 09	EUD	0°	S 626
Layer 10	EDB	0°	S 621

Layup repeats every 2 layers, starting with Layer 3 through Layer 78

Plies placed at 0°

0° Fibers oriented along the z-axis (Pitch Axis)

Lamination Sequence is Identical on Pressure and Suction Side

Lamination produces a 58 mm thick root with 53% fiber volume fraction

Layer 69	EUD	0°	S 299
Layer 70	EDB	0°	S 294
Layer 71	EUD	0°	S 288
Layer 72	EDB	0°	S 283
Layer 73	EUD	0°	S 277
Layer 74	EDB	0°	S 272
Layer 75	EUD	0°	S 266
Layer 76	EDB	0°	S 261
Layer 77	EUD	0°	S 255
Layer 78	EDB	0°	S 250

Spanwise Tolerance: ±3 mm

Alternate spanwise tolerance scheme of linear taper, 250 ±20 mm, 670 ± 20 mm, with all intermediate ply terminations visible is allowed.

All material specifications are expressed as nominal values. Refer to detailed material specification for specific material properties.

Place Root Reinforcement Plies After All Inner and Outer Skin Plies

MATERIAL	DESCRIPTION	AREAL WEIGHT	WIDTH
EDB	E-Glass ± 45° Double Bias	808 gsm	1270 mm
EUD	E-Glass 0° Unidirectional	1200 gsm	1270 mm

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SNL 13m-225K-A Blade				Sheet			
Rev	Date	Description of Change	1/1	Root Reinforcement Lamination			
				Drawing No.	Revision No.	Date	
				169-02-04-004	1	ASE	03/22/2016
				Release Date	Print	ART	03/22/2016
A	03/22/2016	Original		3/22/2016	mm	RMB	04/04/2016
				Scale	1:1	AO	KKW 04/06/2016

