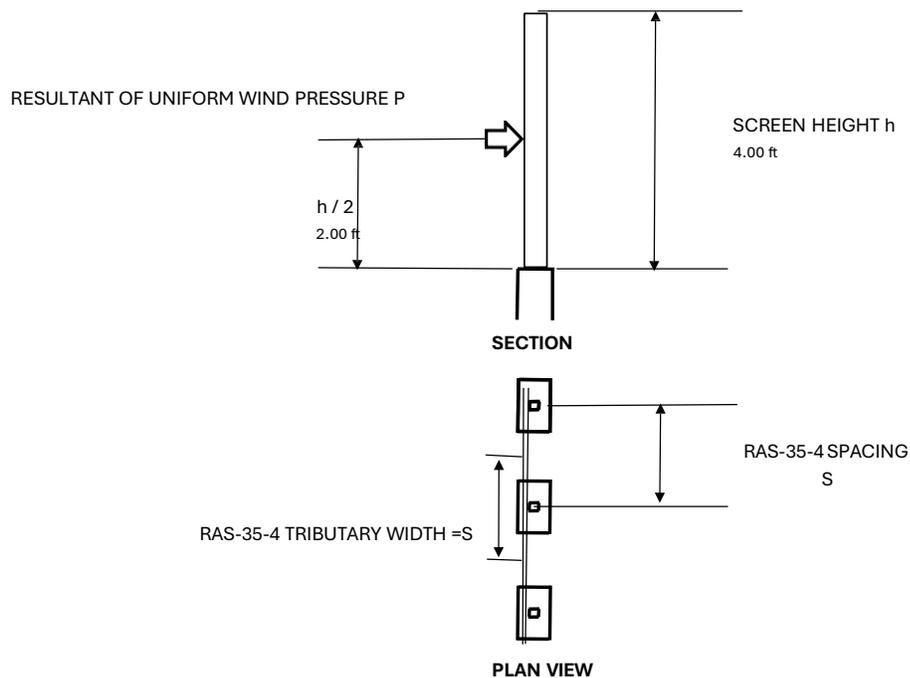


RAS-35-4 LOAD TABLE

MAXIMUM ALLOWABLE LOADING ROOF ANCHOR - RAS-35-4

ENGINEER OF RECORD TO VERIFY REQUIRED STRENGTH OF ROOF ANCHOR – RAS-35-4 DOES NOT EXCEED THE FOLLOWING AVAILABLE STRENGTH	ASD LEVEL	STRENGTH LEVEL
AVAILABLE STRENGTH IN SHEAR P	6650 lb	10639 lb
AVAILABLE STRENGTH IN BENDING M	1939. lb-ft	3103. lb-ft



LOAD CONVERSION FACTOR α (STRENGTH LEVEL / ASD LEVEL) =	1.6
MINIMUM ALLOWABLE UNIFORM IND PRESSURE (ASD) =	18 psf

THE FOLLOWING TABLE IS TO HELP EOR PRELIMINARY DESIGN IF CONDITIONS OF THE ASSUMPTIONS AND SKETCH ABOVE MATCH PROJECT CONDITIONS. FINAL DESIGN MUST VERIFY REQUIRED STRENGTH DOES NOT EXCEED AVAILABLE STRENGTH GIVEN ABOVE.

MAXIMUM ALLOWABLE SCREEN HEIGHT	RAS-354 SPACINGS S	RAS-354 TRIBUTARY AREA A	ALLOWABLE UNIFORM WIND PRESSURE w FOR SHEAR	ALLOWABLE UNIFORM WIND PRESSURE w FOR MOMENT	ALLOWABLE UNIFORM WIND PRESSURE (ASD)	ALLOWABLE UNIFORM WIND PRESSURE w	
						ASD LEVEL	STRENGTH LEVEL
4.00 ft	2.00 ft	8.00 sq.ft.	831.2 psf	121.2 psf	121.2 psf	121 psf	194 psf
4.00 ft	4.00 ft	16.00 sq.ft.	415.6 psf	60.6 psf	60.6 psf	61 psf	97 psf
4.00 ft	6.00 ft	24.00 sq.ft.	277.1 psf	40.4 psf	40.4 psf	40 psf	65 psf
4.00 ft	8.00 ft	32.00 sq.ft.	207.8 psf	30.3 psf	30.3 psf	30 psf	48 psf
4.00 ft	10.00 ft	40.00 sq.ft.	166.2 psf	24.2 psf	24.2 psf	24 psf	39 psf
4.00 ft	11.00 ft	44.00 sq.ft.	151.1 psf	22.0 psf	22.0 psf	22 psf	35 psf
4.00 ft	12.00 ft	48.00 sq.ft.	138.5 psf	20.2 psf	20.2 psf	20 psf	32 psf