DESIGN INPUT DATA FOR PETERSEN HWP @ 16" X 24 GA (+) wind.

PRODUCT PROPERTIES :

E = 29500. KSI

I = .0360 IN4/FT S = .0860 IN3/FT

DESIGN PARAMETERS :

DEFLECTION = L/ 180.

ALLOW. BENDING STRESS (PSI) = 24000.0

ALLOW. REACTION NOT CONSIDERED

LOAD-SPAN TABLE FOR PETERSEN HWP @ 16" X 24 GA (+) wind.

DEFLECION = L/ 180.

SPAN (FT)	TWO EQUAL SPAN W(PSF)	RE	RI	THREE EQUAL SPAN W(PSF)	RE	RI
1.00	1376.00	516.0	1720.0	1720.00	688.0	1892.0
1.25	880.64	412.8	1376.0	1100.80	550.4	1513.6
1.50	611.56	344.0	1146.7	764.44	458.7	1261.3
1.75	449.31	294.9	982.9	561.63	393.1	1081.1
2.00	344.00	258.0	860.0	430.00	344.0	946.0
2.25	271.80	229.3	764.4	339.75	305.8	840.9
2.50	220.16	206.4	688.0	275.20	275.2	756.8
2.75	181.95	187.6	625.5	227.44	250.2	688.0
3.00	152.89	172.0	573.3	191.11	229.3	630.7
3.25	130.27	158.8	529.2	162.84	211.7	582.2
3.50	112.33	147.4	491.4	140.41	196.6	540.6
3.75	97.85	137.6	458.7	119.84	179.8	494.3
4.00	86.00	129.0	430.0	98.74	158.0	434.5

W = ALLOWABLE UNIFORM LOAD
RE = END SOPPORT REACTION AT ALLOW. LOAD (#/FT)
RI = INTERMEDIATE SUPPORT REACTION AT ALLOW. LOAD (#/FT)

DESIGN INPUT DATA FOR PETERSEN HWP @ 16" X 24 GA (-) wind

PRODUCT PROPERTIES :

E = 29500. KSI

I = .0380 IN4/FT S = .0860 IN3/FT

DESIGN PARAMETERS :

DEFLECTION = L/ 180.

ALLOW. BENDING STRESS (PSI)	=	24000.0
ALLOW. END SUPPORT REACTION (#/FT)	=	80.0
ALLOW. INTERMEDIATE SUPPORT REACTION (#/FT)	=	80.0

LOAD-SPAN TABLE FOR PETERSEN HWP @ 16" X 24 GA (-) wind

DEFLECION = L/ 180.

SPAN (FT)	TWO EQUAL SPAN W(PSF)	RE	RI	THREE EQUAL SPAN W(PSF)	RE	RI
1.00	64.00	24.0	80.0	72.73	29.1	80.0
1.25	51.20	24.0	80.0	58.18	29.1	80.0
1.50	42.67	24.0	80.0	48.48	29.1	80.0
1.75	36.57	24.0	80.0	41.56	29.1	80.0
2.00	32.00	24.0	80.0	36.36	29.1	80.0
2.25	28.44	24.0	80.0	32.32	29.1	80.0
2.50	25.60	24.0	80.0	29.09	29.1	80.0
2.75	23.27	24.0	80.0	26.45	29.1	80.0
3.00	21.33	24.0	80.0	24.24	29.1	80.0
3.25	19.69	24.0	80.0	22.38	29.1	80.0
3.50	18.29	24.0	80.0	20.78	29.1	80.0
3.75	17.07	24.0	80.0	19.39	29.1	80.0
4.00	16.00	24.0	80.0	18.18	29.1	80.0

W = ALLOWABLE UNIFORM LOAD
RE = END SOPPORT REACTION AT ALLOW. LOAD (#/FT)
RI = INTERMEDIATE SUPPORT REACTION AT ALLOW. LOAD (#/FT)