

SCHULTE BUILDING SYSTEMS

PBA PANEL

SECTION PROPERTIES								
PANEL	Fy (KSI)	WEIGHT (PSF)	POSITIVE BENDING			NEGATIVE BENDING		
			lxe (IN.4/FT.)	Sxe (IN.3/FT.)	Maxo (KIP-IN.)	lxe (IN.4/FT.)	Sxe (IN.3/FT.)	Maxo (KIP-IN.)
26	60*	0.85	0.0203	0.0282	1.0133	0.0263	0.0321	1.1533

* Fy is 80-ksi reduced to 60-ksi in accordance with the 2007 edition of the North American Specification For Design Of Cold-Formed Steel Structural Members

NOTES:

1. All calculations for the properties of PBA panels are calculated in accordance with the 2007 edition of the North American Specification For Design Of Cold-Formed Steel Structural Members.
2. lxe is for deflection determination.
3. Sxe is for bending.
4. Maxo is allowable bending moment.
5. All values are for one foot of panel width.

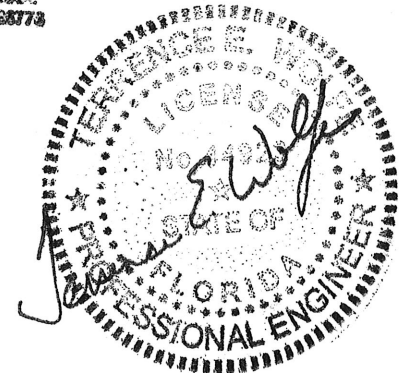
ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT

26 Gauge PBA Panel															
SPAN TYPE	LOAD TYPE	SPAN IN FEET													
		1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5
SINGLE	NEGATIVE WIND LOAD	768.9	341.7	192.2	123.0	85.1	53.6	35.9	25.2	18.4	13.8	10.6	8.4	6.7	5.4
	POSITIVE WIND/LIVE LOAD L/180	314.9	210.0	157.5	108.1	65.7	41.4	27.7	19.5	14.2	10.7	8.2	6.5	5.2	4.2
2-SPAN	POSITIVE WIND/LIVE LOAD L/120	314.9	210.0	157.5	108.1	75.1	55.1	41.6	29.2	21.3	16.0	12.3	9.7	7.8	6.3
	NEGATIVE WIND LOAD	629.8	300.2	168.9	108.1	75.1	55.1	42.2	33.4	27.0	22.3	18.8	16.0	13.8	12.0
3-SPAN	POSITIVE WIND/LIVE LOAD L/180	236.4	157.6	118.2	94.5	73.5	54.3	41.7	33.1	26.8	22.2	18.7	15.6	12.5	10.1
	POSITIVE WIND/LIVE LOAD L/120	236.4	157.6	118.2	94.5	73.5	54.3	41.7	33.1	26.8	22.2	18.7	15.9	13.7	12.0
4-SPAN	NEGATIVE WIND LOAD	735.8	372.6	211.1	135.1	93.8	68.9	52.8	41.7	33.8	26.1	20.1	15.8	12.6	10.3
	POSITIVE WIND/LIVE LOAD L/180	268.6	179.1	134.3	107.4	89.5	67.4	51.9	36.7	26.8	20.1	15.5	12.2	9.8	7.9
4-SPAN	POSITIVE WIND/LIVE LOAD L/120	268.6	179.1	134.3	107.4	89.5	67.4	51.9	41.1	33.4	27.7	23.3	18.3	14.6	11.9
	NEGATIVE WIND LOAD	702.9	350.4	197.1	126.2	87.6	64.4	49.3	38.9	31.5	26.1	21.3	16.8	13.4	10.9
4-SPAN	POSITIVE WIND/LIVE LOAD L/180	258.5	172.3	129.2	103.4	85.3	63.1	48.5	38.5	28.4	21.4	16.5	12.9	10.4	8.4
	POSITIVE WIND/LIVE LOAD L/120	258.5	172.3	129.2	103.4	85.3	63.1	48.5	38.5	31.2	25.9	21.8	18.6	15.5	12.6

NOTES:

- 1) Section properties and allowable loads were computed in accordance with the 2007 edition of the North American Specification For Design Of Cold-Formed Steel Structural Members.
- 2) Allowable loads are based on uniform span lengths.
- 3) LIVE LOAD is limited by bending, shear, combined shear & bending and web crippling and deflection of L/180 or L/120.
- 4) NEGATIVE WIND LOAD is limited by bending, shear, combined shear and bending and deflection of L/180.
- 5) NEGATIVE WIND LOAD does not consider fastener pullout & pullover. Connection to framing must be evaluated for fastener pullout & pullover.
- 6) The weight of the panel has not been deducted from the allowable loads.

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