



Northern Crossarm Co., Inc.

Treated Wood

BROWN POST & BEAM



BROWN POSTS & BEAMS

GLULAM BEAMS • COLUMNS • TREATED TO GROUND CONTACT



BEAMS

3-1/8" x 11", 5-1/4" x 11", 5-1/4" x 15-1/8" (24F-1.8e)
SYP GLULAM BEAMS. TREATED AFTER LAMINATION
WITH GROUND CONTACT MCA.

COLUMNS

5-1/4" x 5-1/4" - 10', 12', 14', 16', 18', 20'
(COMB 50) SYP GLULAM COLUMNS.
TREATED AFTER LAMINATION WITH
GROUND CONTACT MCA.

**POST & BEAM
SPECIFICATIONS**

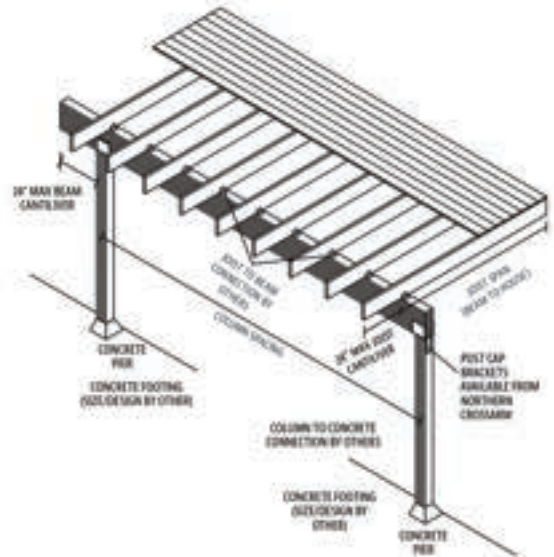
GLULAM BEAM PROPERTIES

Factors **F/E (psi)**
Fiber Bending: Fb' = 2400
Shear Stress: Fv' = 300
Compression Perpendicular: Fcp' = 650
Modulus of Elasticity: E = 1.8 million, Emin = 0.85 million

Cantilever Joist Span (L) Less Than or Equal to:

Stress Class	Width	Depth	Joist Length (6'-18')						Max post spacing	
			6'	8'	10'	12'	14'	16'		18'
Glulam-Bal SP 24F-1.8E	3-1/8"	11"	15'-6"	14'-3"	13'-6"	12'-9"	12'-0"	11'-3"	10'-6"	Max post spacing
Glulam-Bal SP 24F-1.8E	5-1/4" 5-3/4"	11" 15-1/8"	18'-0" 25'-10"	17'-4" 24'-2"	16'-3" 22'-10"	15'-5" 21'-10"	14'-9" 21'-0"	14'-2" 20'-0"	13'-7" 19'-6"	

1. Assumes 50 psf live load, 10 psf dead load, L/360 live load deflection, total load deflection limited to L/240.
2. Joist size by others.
3. Cantilever not to exceed 24".
4. Assumes minimum 5.25" bearing supports.
5. Footing design and calculations by others.



Hangered Joist Span (L) Less Than or Equal to:

Stress Class	Width	Depth	Joist Length (6'-18')						Max post spacing	
			6'	8'	10'	12'	14'	16'		18'
Glulam-Bal SP 24F-1.8E	3-1/8"	11"	12'-0"	15'-6"	14'-3"	13'-6"	12'-8"	12'-8"	11'-3"	Max post spacing
Glulam-Bal SP 24F-1.8E	5-1/4" 5-3/4"	11" 15-1/8"	19'-6" 27'-0"	18'-0" 25'-10"	17'-4" 24'-2"	16'-3" 22'-10"	15'-5" 21'-10"	14'-9" 21'-0"	14'-2" 20'-0"	

1. Assumes 50 psf live load, 10 psf dead load, L/360 live load deflection, total load deflection limited to L/240.
2. Beam depth must be equal to or greater than joist depth if joist hangers are used.
3. Joist size by others.
4. Assumes minimum 5.25" bearing supports.
5. Footing design and calculations by others.

