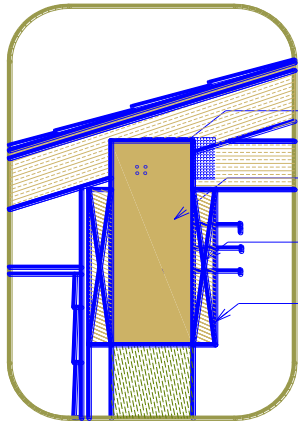


30	FEET	BUILDING WIDTH (Length of Truss)
12	INCH	OVERHANGS (Eave at Bearing Wall)
40	PSF	DESIGN GROUND SNOW LOAD
8	FEET	CEILING HEIGHT
8	FT. OC	POST SPACING AT BEARING WALL
4X6	or BTR	TREATED POST
2X12	2	PLY TRUSS CARRIER SIZE
2000	PSF	ASSUMED SOIL BEARING CAPACITY

2716	LBS -LOAD AT EACH END OF BEAM
679	PLF - LOAD ALONG TRUSS CARRIERS
5752	LBS - TOTAL LOAD ON FOOTING
2.88	FT2 - MINIMUM FOOTING AREA
40d	7 FASTENERS PER SIDE

CARRIER DETAIL



FASTENERS
(To Control Uplift)

2" by 6" TRUSS BLOCKING

FASTENERS
(Carrier / Post Connection)

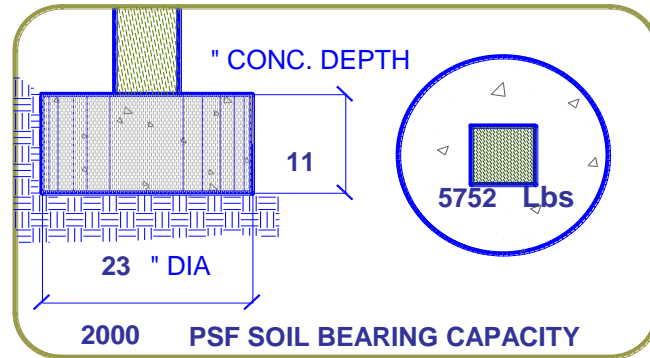
TRUSS CARRIERS

Truss Blocking to Truss connection can be calculated by dividing the shear strength of the fastener and the design uplift from the Truss Specs. (16d fasteners have a design shear strength of 101 lbs per nail)

40d Min Fasteners Required: 14

2X12 2 Ply -Hem Fir #2 or Better

FOOTING DETAIL



2000 PSF SOIL BEARING CAPACITY

The "Pole Barn Design Tool" calculates the design loads for standard building widths for pole type construction. The calculations are based on the applicable snow load, a 15 psf roof dead load and a 5 psf dead load on the wall system. The program also calculates the minimum footing size based on the total load on the footing and the assumed soil bearing capacity of a given site. The program was designed for illustration purposes; therefore, the Building Department assumes no liability for its use. The Department recommends that a registered design professional be consulted where the conditions fall outside the scope of standard construction practices.

Pole Barn Design Tool

