CBC STEEL BUILDINGS
A NUCOR Company

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DESIGN PARAMETERS

Sheet : A - 1

Job No. : C15C0083
Customer : Arctic Fox
Design by : B.Y.
Date : 9-Mar-2015
Revision : 00

STRUCTURE DESCRIPTION

Frame Type	:	Clear Span
Building Width	:	30.00 ft.
Building Length	:	50.00 ft.
Eave Height	:	16.00 ft.
Max. Tributary Spac.	:	31.25 ft.
Roof Slope	:	2 in. / ft

BASIC LOADS

Building Code : IBC 2009
Occupancy Category : II
Roof Live Load : 20 psf
Tributary Reduction (Y/N) : N
Frame Live Load : 20 psf

Wind Load
- Speed : 100 mph (3-sec gust)
- Exposure : C
- Importance : 1.00

Enclosure Condition : Enclosed

Seismic Load
- Design Category : E
- Importance : 1.00
- Site Class : D

Ss : 182.20% S1 : 93.00%
R_{trans} : 3.50 / Ω_o : 3.00
R_{long} : 3.25 / Ω_o : 2.00

Snow Load
- Roof Snow : 50 psf
- Ground Snow : 50 psf
- Importance : 1.00

Ce : 1.0 Ct : 1.0

Collateral Load : 3 psf

Dead Load : 4.5 psf (Total)

Frame Wt: 2.0 psf
Purlins: 1.0 psf
Panels: 1.0 psf
Misc.: 0.5 psf

OTHER LOADS

NOTES

12 x 14 framed opening to be sheeted over. No girts are to be provided on 12 x 14 open area. Builder to infill with girts by others at matching girt elevations.

*** This structure is designed in compliance with CBC specifications and standards utilizing the pertinent provisions and recommendations of the American Institute of Steel Construction (AISC), International Conference of Building Officials (ICBO), American Iron and Steel Institute (AISI), the Metal Buildi... Manufacturer's Association (MBMA) and their publications. ***