

September 12, 2019

LETTER OF DESIGN CERTIFICATION

Reference Number : X2212
Building Description : 1 - 40'-0" x 80'-0" x 27'-0"
Building Owner/Location : MORAN, HAYDEN, CO
Builder : Charchalis Construction and In

This document shall serve to certify that the above referenced building has been designed by this IAS AC472 accredited manufacturer in accordance with the order documents and information shown below:

Design Standard : 2015 IBC

GRAVITY LOAD DATA

Roof Live Load (psf) : 20.00 *
Uniform Roof Snow Load (psf) : 97.30
Snow Importance Factor : 1.00
Rain on Snow (psf) : 0.00
Pg (psf) : 139.00
Pf (psf) : 97.3
Ce : 1.00
Ct : 1.00
Collateral Load (psf) : 3.0

EARTHQUAKE LOAD DATA

Site Class : D
Sds : 0.286
S1 : 0.120
Seismic Design Category : B
Seismic Importance Factor : 1.00
R : 3.00
Cs : I x Sds / R
Basic Structural System : NDFS
Analysis Procedure : Equivalent Lateral Force

WIND LOAD DATA

Basic Wind Speed (mph) : 115
Wind Exposure : C
Wind Importance : 1.00
GCpi : ± 0.18

* Roof Live Load is Non-Reducible

Risk Category : II

Steel members are designed in general accordance with the 14th Edition of the AISC Manual for Steel Construction and the 2012 Edition of the AISI Cold Form Steel Design Manual.

This certification is strictly limited to the design of structural components designed and manufactured by Behlen Mfg. Co. for the loads and standards shown. Certification does not extend to foundation, mechanical, electrical, plumbing, fire protection, civil work, architectural responsibilities, overall project coordination, erection supervision or inspection, or other aspects of code or specification compliance not so indicated. When properly erected, according to the Behlen plans, on an adequate foundation, this Behlen building has been designed to safely sustain these loads.

BEHLEN BUILDING SYSTEMS

