





Seismic Force-Resisting System

**H. Steel Systems not Specifically Detailed for Seismic Resistance**

Framing Direction	Lateral	Longitudinal	
Response Modification Factor:	3.0	1.25	(Building-A)
Deflection Amplification :	3.0	1.25	(Building-A)
Seismic Response Coeff. Cs :	0.0626	0.1503	(Building-A)
Design Base Shear V :	1.06 kips	2.24 kips	(Building-A)
Response Modification Factor:	3.0	3.0	(Building-B)
Deflection Amplification :	3.0	3.0	(Building-B)
Seismic Response Coeff. Cs :	0.0626	0.0626	(Building-B)
Design Base Shear V :	0.38 kips	0.21 kips	(Building-B)
Analysis Procedure :	Equivalent Lateral Force		
G2-Cantilevered Column System			

Other Loads:

1. Building B is supported by A.

Design is in accordance with the **AISI S100-12 North American Specification for the Design of Cold-Formed Steel Structural Members**, the **AISC 360-10 Specification for Structural Steel Buildings**, the **AWS D1.1-2020 Structural Welding Code - Steel**, the **AWS D1.3-2018 Structural Welding Code - Sheet Steel**, and generally accepted engineering practices.

The engineer whose seal and signature appears on these documents represents Whirlwind Steel Buildings, Inc and is not the Engineer of Record (EOR) for the overall construction project. It is expressly noted that this letter of professional opinion includes only the steel building as designed and furnished by Whirlwind Steel Buildings, Inc. and specifically excludes all accessories, anchor rods, foundation, masonry, general contract work, or any field modifications deviating from the Whirlwind construction documents.

Sincerely,



J. Walter Lewis, PE