



Wisconsin Technical Services Office  
 2863 Liberty Lane  
 Janesville, WI 53545  
 Phone: (608) 758-3718 Fax: (608) 758-3796

November 17, 2009

Re: Chief Order No. CO95226  
 Description: Bldg A - 59'-8" x 114'-10" x 16'-0"  
 Bldg B - 12'-7" x 16'-3" x 17'-10 3/8"  
 Builders Name: Turner Brothers, LLC  
 Building Owners Name: W B Mason Portland, ME  
 Jobsite City, State: Portland, ME

Gentlemen:

Please accept this letter as certification that the Chief components, produced for the above described project to be furnished to Turner Brothers, LLC, for W B Mason Portland, ME, Portland, ME, have been designed for the following criteria as specified by Purchaser in the order documents:

2002 MBMA Occupancy Category	Standard Buildings	Seismic	
Roof Live Load (Tributary Area Reduction Allowed)	20 psf	Spectral Response Short Periods ( $S_s$ )	37.0%
Collateral Load	5 psf	Spectral Response 1 s Period ( $S_1$ )	10.0%
Ground Snow Load ( $P_g$ )	70 psf	Seismic Importance Factor	1.0
Exposure Factor ( $C_e$ )	1.0	Use Group	I
Thermal Factor ( $C_t$ )	1.0	Design Category	C
Importance Factor (I)	1.0	Site Class	D
Flat Roof Snow Load ( $P_f$ )	49 psf	Seismic Resisting System	
Building Enclosure	Enclosed	Longitudinal Direction	Steel System (R=3.0)
Wind Speed	90 mph (GCPi ± 0.18)	Lateral Direction	Steel System (R=3.0)
Exposure Category	B	Seismic Response Coefficient ( $C_s$ )	0.124
Importance Factor (I)	1.0	Spectral Response Parameter Short Period ( $S_{DS}$ )	0.371
Wind Pressure (q)	13.46 psf	Spectral Response Parameter 1 s Period ( $S_{D1}$ )	0.160
		Analysis Procedure	ELF
		Base Shear	19,218 lbs.
		Other Loads:	
		None	

and applied in accordance with the IBC 2003 Building Code.

The design of Chief structural steel components is in accordance with the provisions of .

These Chief components as supplied, when properly erected as furnished, on an adequate foundation, will meet the loading requirements supplied to Chief by Purchaser in accordance with good engineering practices.

This certification does not cover field modifications nor does it cover materials furnished by someone other than Chief Industries, Inc.; nor the connection between Chief components and those manufactured or supplied by someone other than Chief Industries, Inc.

Chief design and detailing facilities: Grand Island, NE, Lincoln, NE, and Janesville, WI. Chief Fabrication facilities: Grand Island, NE and Rensselaer, IN.

Sincerely,

William C. Walsh, P.E.  
 Sr. Design Engineer  
 Chief Industries, Inc. - Buildings Division  
 WW/tl

