Specification - Schebler MODEL P1

1. The factory built modular chimney shall be laboratory tested and listed in accordance with Underwriters Laboratories Standard UL 103 for use with building heating equipment burning gas, solid or liquid fuels with flue gases not exceeding 1400°F continuous operation and 1800°F intermittent operation. It shall also be tested and listed for use as a Grease Duct in accordance with UL 1978. Sections shall bear the UL listing mark and the cUL listing mark for Canada. Sections shall be joined and sealed with the use of “vee-bands” with clips and silicone joint sealant for temperatures up to 600°F (S600), ceramic joint sealant for temperatures exceeding 600°F and Grease Duct (S2000, S2001).

2. Inner shell material shall be type 304 (Std) or 316 stainless steel (type 304 recommended for natural gas and number 2 oil fired appliances, type 316 stainless steel for coal, number 4 and number 6 oil fired appliances). Inner shell thickness shall be .036”(20ga) for 6” to 36” diameter systems and .048”(18ga) for 38” to 48” diameter systems. All inner seams shall be full penetration welded the entire length of the pipe section. Riveted, tack or spot welded seams are not permitted.

3. Outer shell material shall be aluminized steel (Std), 304 stainless steel, or 316 stainless steel. Aluminized steel has a thickness of .034”(20ga) for 6” to 36” diameter systems and .052”(18ga) for 38” to 48” systems. (304 or 316 stainless steel shall be .030”(20ga) for 6” to 36” diameter systems and .048”(18ga) for 38” to 48” diameter systems). All outer shell seams shall be full penetration welded the entire length of the pipe section. Riveted, tack or spot welded seams are not permitted.

4. Between the inner and outer shells there shall be a minimum of 1” of 1600°F rated low conductivity ceramic fiber insulation. The insulation is to be securely attached to the inner shell with steel straps and insulating pins welded to the inner shell. Stainless steel centering clips shall be welded to the outer shell to maintain the 1” spacing and ensure concentricity of the shells.

5. Breeching and chimney sections, when installed according to manufactures instructions, shall comply with national safety standards and building codes. Stacks terminating above a roof must terminate as required by code or NFPA 211.

6. Chimney sections exposed to atmospheric conditions shall be protected by a minimum of one base coat and one finish coat of heat resistant paint after installation. Outer shells of type 304 or 316 stainless steel need not be painted.