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*Right-angled mock reflection groups.* Preliminary report.

The fundamental groups of certain blow-ups of real reflection arrangements can be realized as finite index subgroups of groups acting on contractible cubical complexes. Such actions have the further property that they are simply-transitive on the vertex sets and have edge-stabilizers all of order 2. We will present a general theory of these groups and give a combinatorial description in the same spirit as the well-known presentation for Coxeter groups. (Received February 21, 2006)