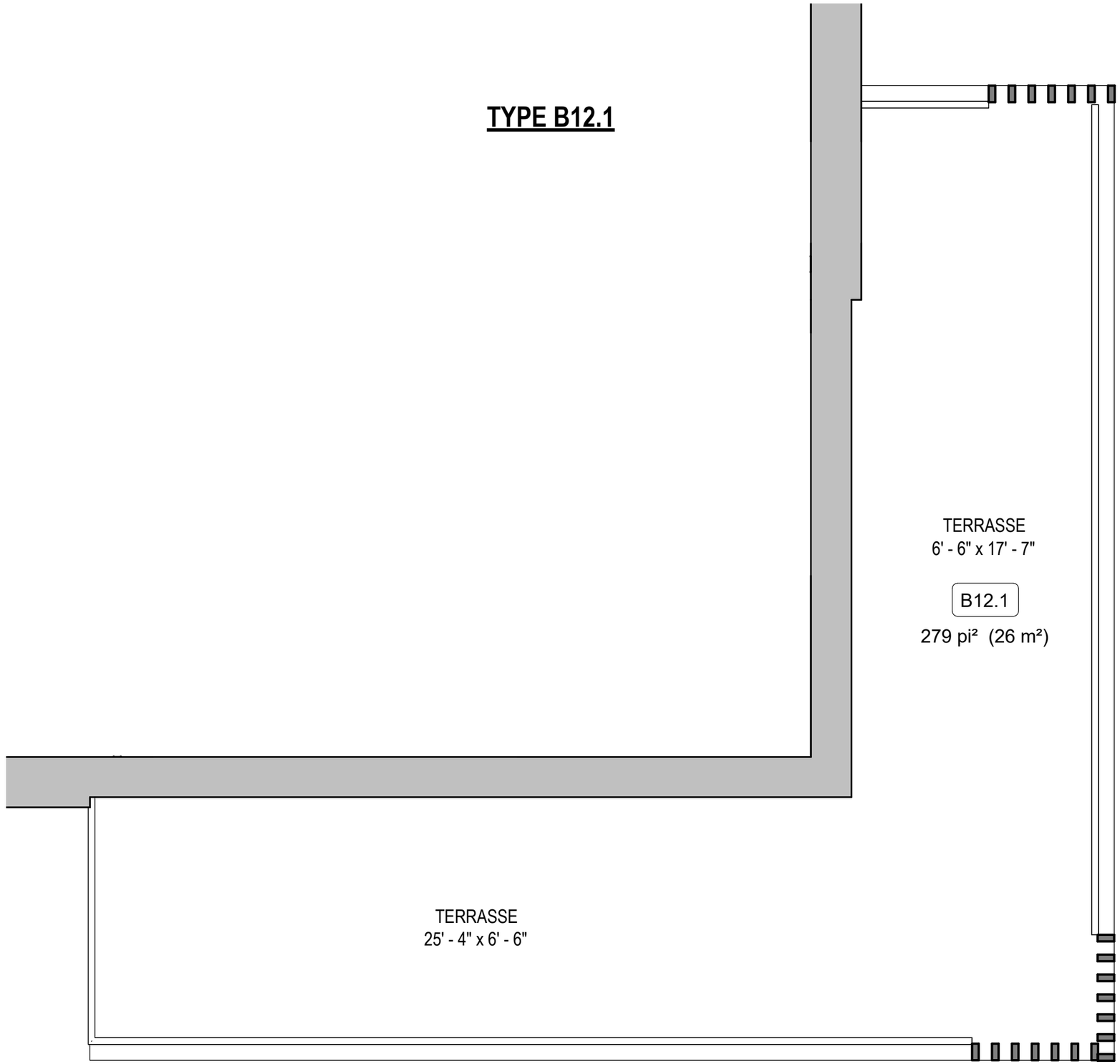TYPE B12.1