Thru wall solar oven door (wood) ferrocement frame form for CSEB walls. Screw plug can be replaced.

JH Goodman               Dec 10, 2014
Prefabricated thru-wall (slide in-out) solar oven doorway frame (bio-plastic, ferro-cement) form for masonry walls.

Nonimaging reflector concentrator thru-wall trough solar kitchen studies

Joel H. Goodman       Dec. 6, 2014
Thru-wall nonimaging reflectors optical configuration

Nonimaging reflectors **optical-thermal design references** for selected regional latitude-range locations based on selected cookware and autoclave targets are needed for building technology studies.

Nonimaging reflector concentrator thru-wall trough solar kitchen studies

Joel H. Goodman    July 7, 2014
Thru-wall solar cookers have convenience for cooks however, there are significant solar access requirements for kitchens, buildings and site plans. Therefore it is of interest to study house and cluster site planning before finalizing individual thru-wall solar kitchen house plans.
Thru wall fixed concentrator nonimaging reflector box
A reflector box (aluminum or bio-plastic substrate) attaches to a wall (house, trailer) with a ridged reflector bracket with grill posts. A quadrant reflector pattern is similar for all four quadrants of the concentrator box. Four creased aluminum-reflector attached elements are secured to the grill reflector bracket structured to the wall.