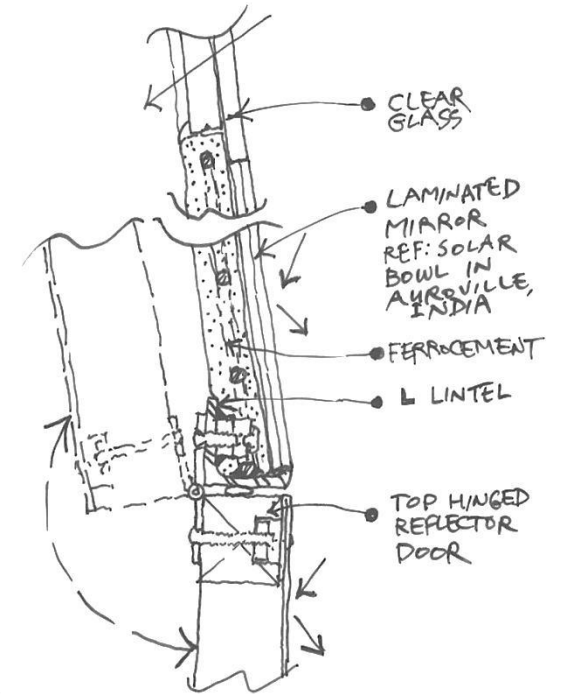
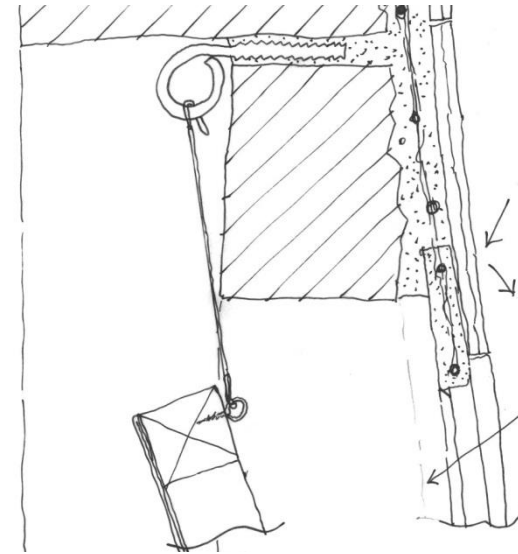
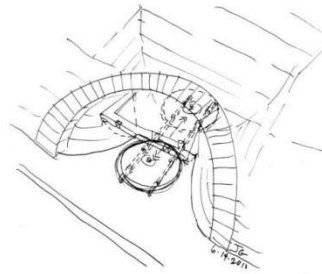
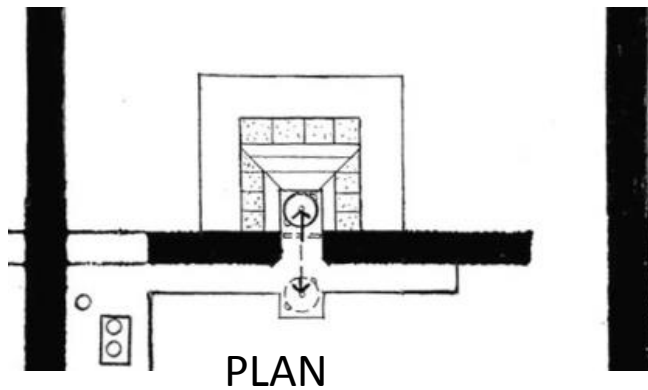


A thru wall fixed NI concentrator solar oven doorway frame, as a form for masonry, prototyped with ferrocement may be mass produced with bio-plastic manufacturing.

JH Goodman June 14-2013



DETAIL SECTION @ LINTEL
OF THRU-WALL NI SOLAR OVEN
JG JUNE 11-2013

Thru-wall fixed reflector concentrator

An arched opening tall enough for the top-hinged door-reflector to be held open near vertical adjacent to the inside of the ferrocement lintel. The door rotates upward limited by the incline angle of the reflector CPC-substrate ferrocement lintel. A steel-ferrocement lintel above a top hinged reflector door has a small window for daylighting. There is a form harmony with the shallow archways above the solar oven door, and shallow vault roof structures. A rubber-type material surrounds the door frame to keep water, insects, etc. outside. The door is held open by a wire hooked to an eye screw cast in a mortar joint above between two key-stone arch bricks.