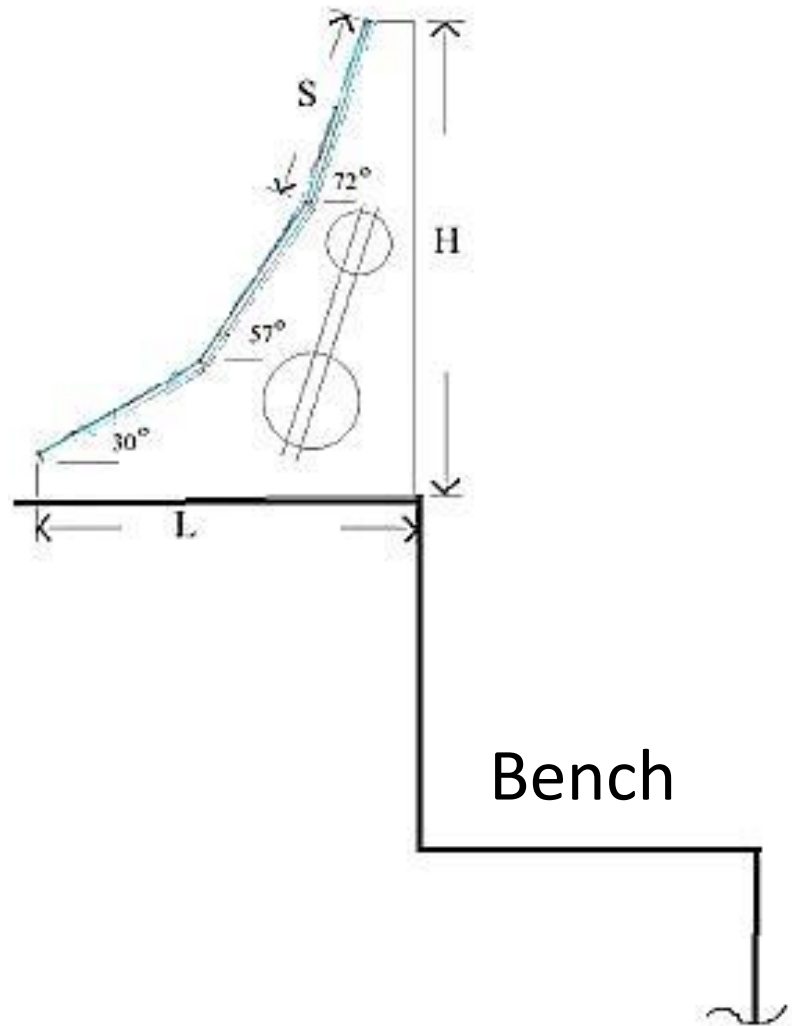


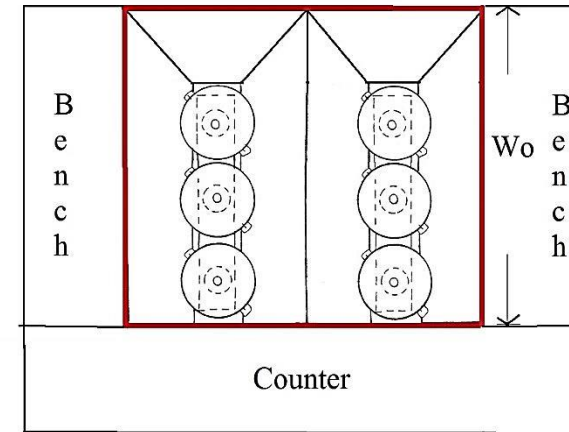
Alternative TR reflector to metal reflector and bamboo is flat glass mirrors glued to precast concrete with bamboo reinforcement spacers to reduce concrete and weight. The precast concrete would stay in place on a masonry table/platform during wind storms. References for flat glass mirrors glued to concrete: [ ] Guigan, Gilles, John Harper, et al, Auroville Centre for Scientific Research Trust (CSR), “Auroville Solar Bowl Concentrator for Community Scale Steam Cooking”, May 2008 Report, funded by the Government of India, Ministry of Non-Conventional Energy Sources (MNES). p88. and [ ] Celestino Ruivo, Portugal, flat glass mirrors glued to concrete solar cooker.

## Thru-Reflector-Wall (TRW) Nonimaging concentrator solar kitchen studies

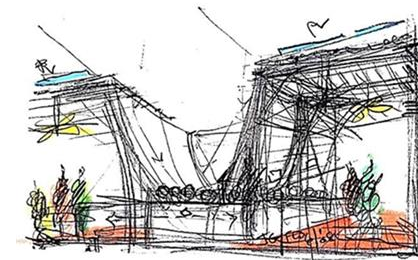
Joel H. Goodman Sept. 1, 2021



An east and west bench extension to the TR table/platform would provide access for changing the east and west fabric reflector at noon time and a place to sit when there would not be disturbing solar concentrations.

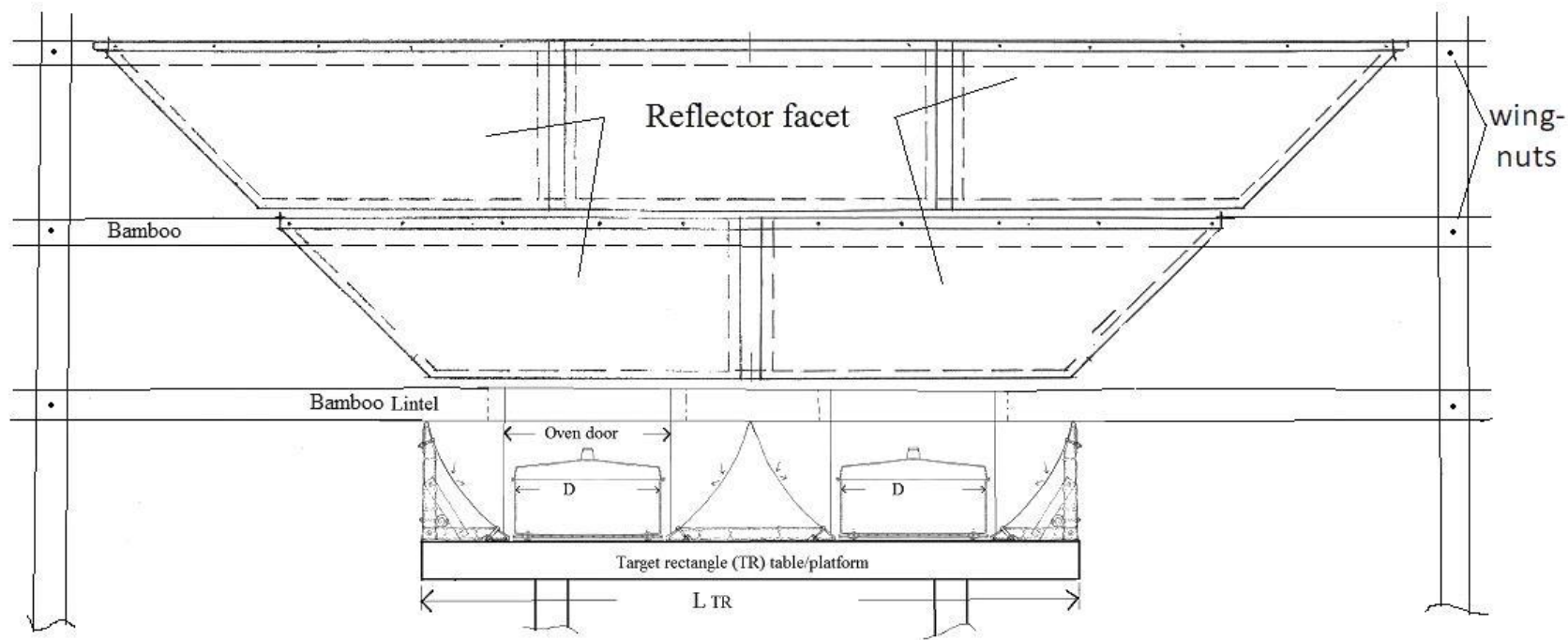


PLAN



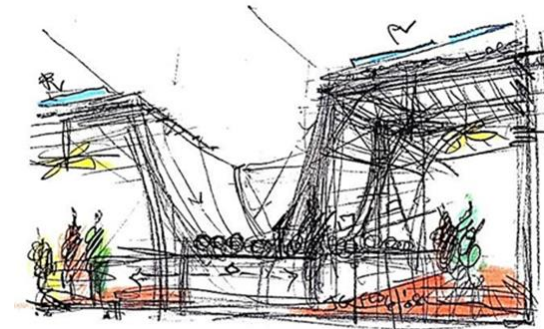
## Thru-Reflector-Wall (TRW) Nonimaging concentrator solar kitchen studies

Joel H. Goodman      Sept. 1, 2021



East-West section at TR platform

The reflector facets may be sized for available size reflector metal and postal and transport economic limits. The thickness of the anodized aluminum reflector may be 5mm /0.020 inch and free small samples may be available for prototyping some of the details. Wingnuts at horizontal bamboo bolts are for quick detachment for storm stow.



## Thru-Reflector-Wall (TRW) Nonimaging concentrator solar kitchen studies

Joel H. Goodman Aug. 31, 2021