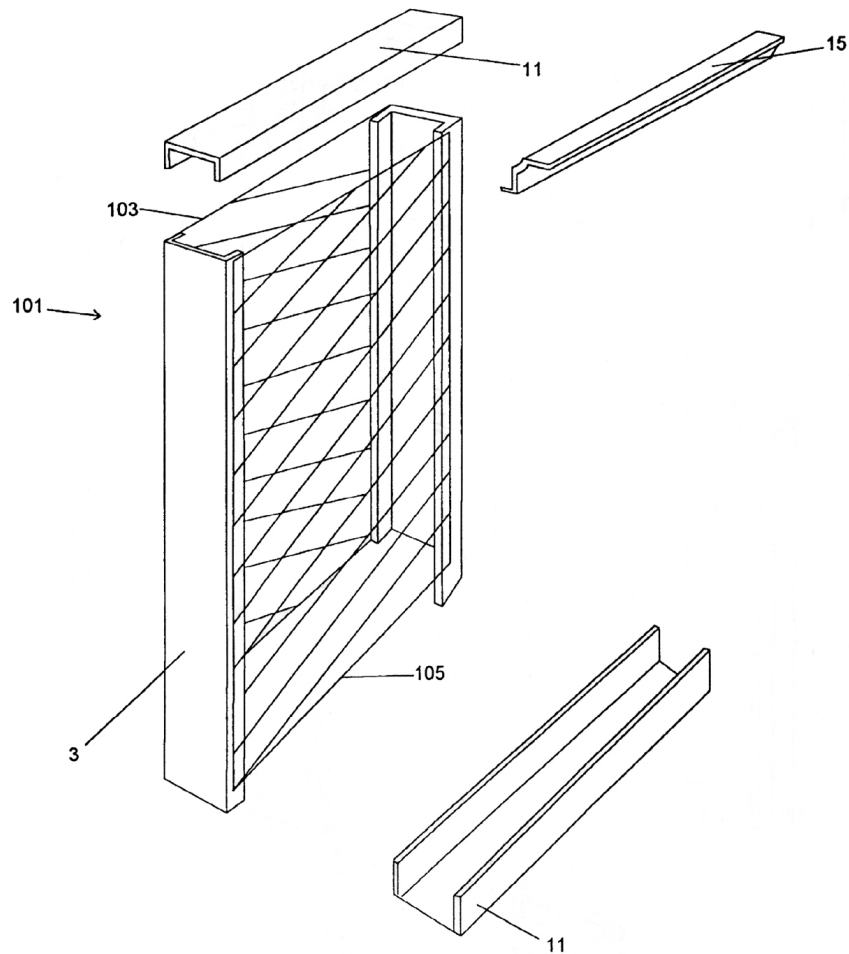
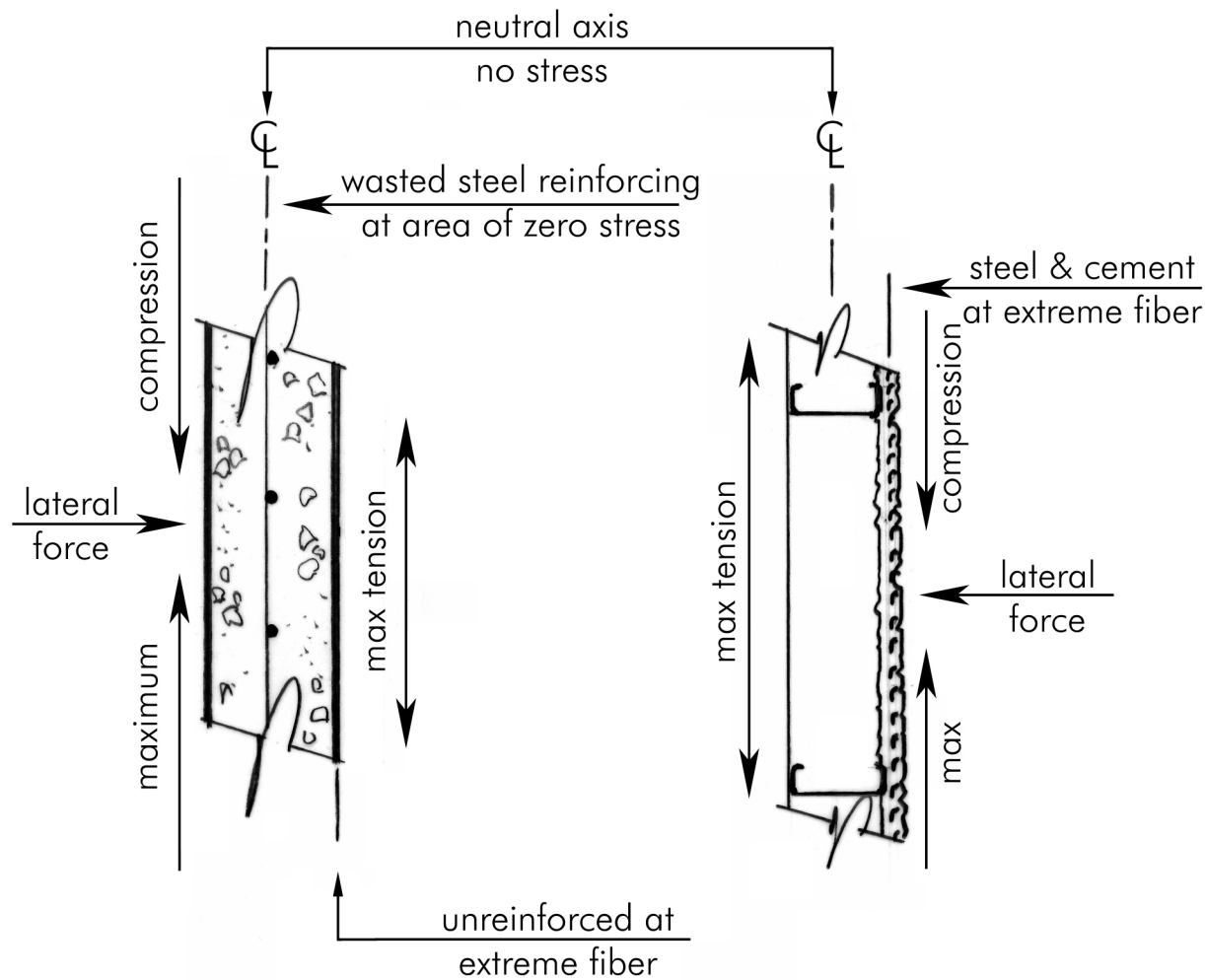


Ferro-Cement Coatings on Panelized Lightweight Steel Frame Structures

Angus W. Macdonald, M.Arch. Architect
BOCA. LGSEA.
26 June, 2001

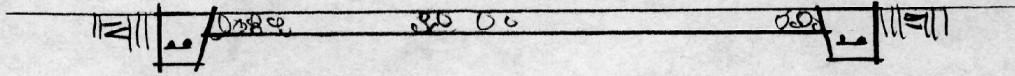


PACOR unified steel and cement panel patented by
Angus Macdonald & Paul Daspit.

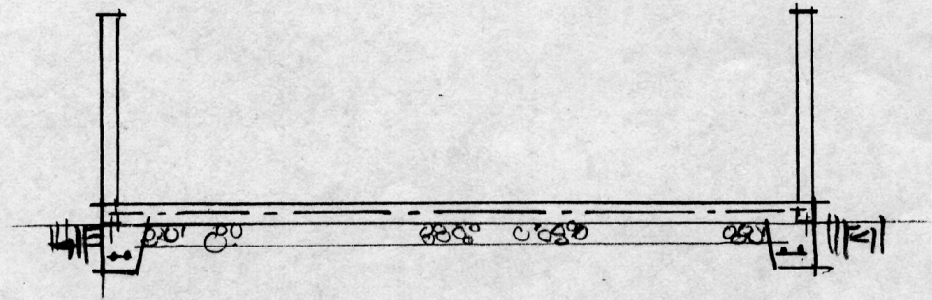
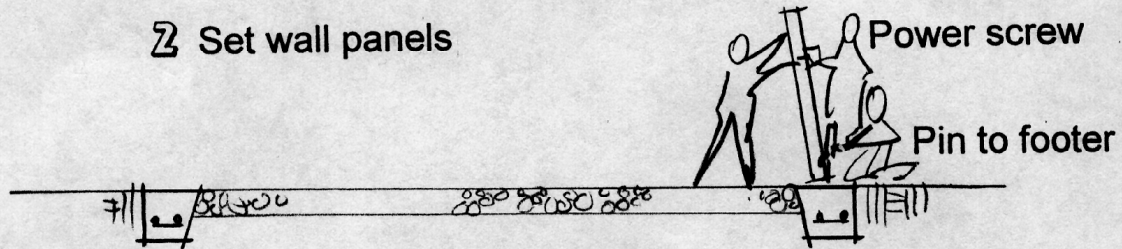


Unit stress reduction through placement of cement and steel material at extreme fiber

1 Pour footings in gravel pad



2 Set wall panels



3 Cast concrete floor slab to imbed wall panels

Am-cor system construction sequence

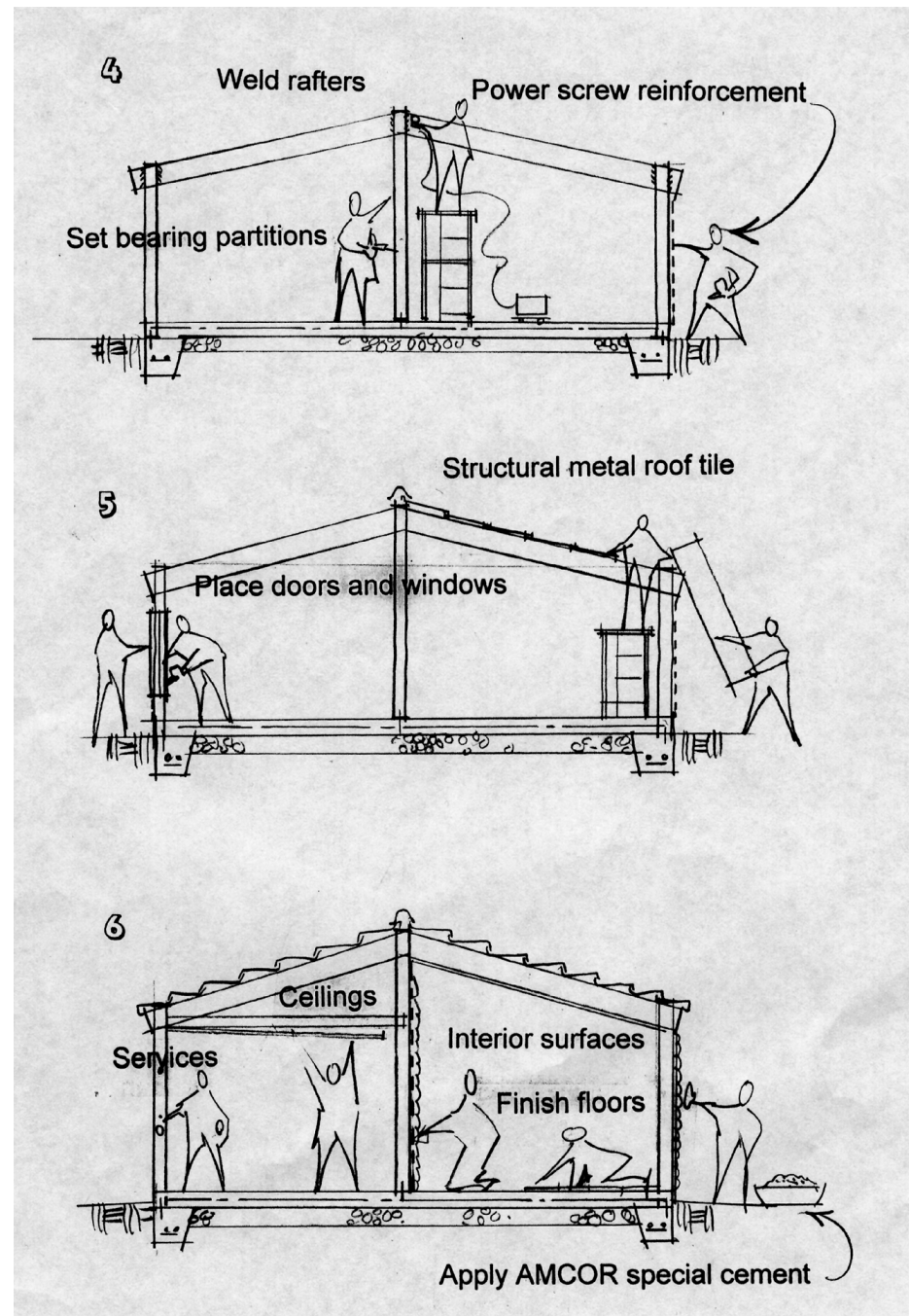


Pin prefabricated wall panels to concrete footing

Rafters fit between panels to create moment connection at eave.

They overlap at peak to create moment connection

Other trades: insulation, services, trim, & interiors are standard. Self tapping screws are used to fasten to frame.





Galvanized rib lath is fastened to the frame



The lath will reinforce the cement coat.



Amcorite A is mixed with Portland cement, sand, and water, and is then forced through the lath.



The cement coat overlaps and adheres to flanges of doors and windows.
This structural skin unifies the entire steel framework.



The unified monocoque cement coating provides shear resistance required for long spans without bracing.



Almost any shape may be easily created, and every shape becomes structural.

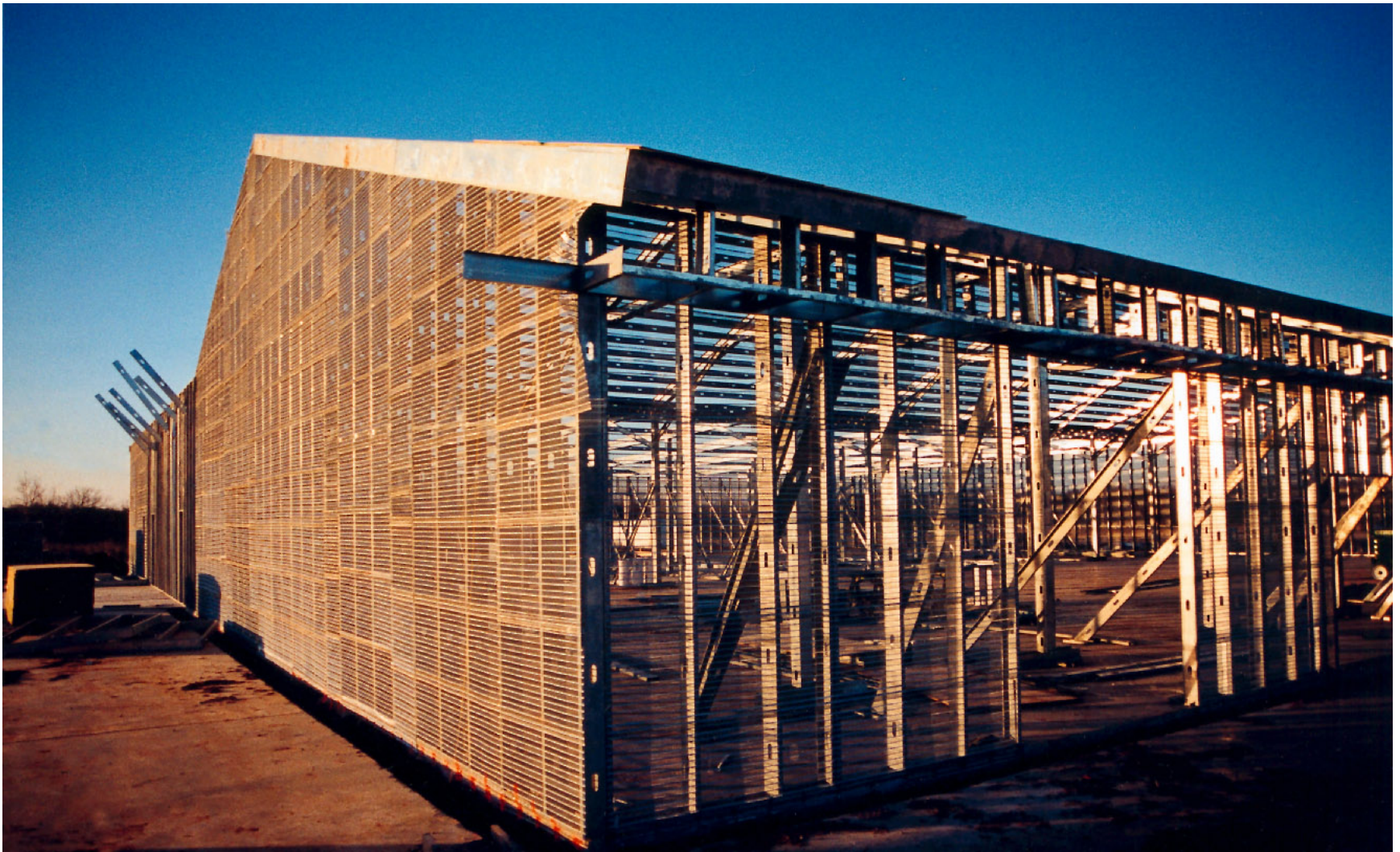


35' freespan with steel
rafters spaced 6' apart

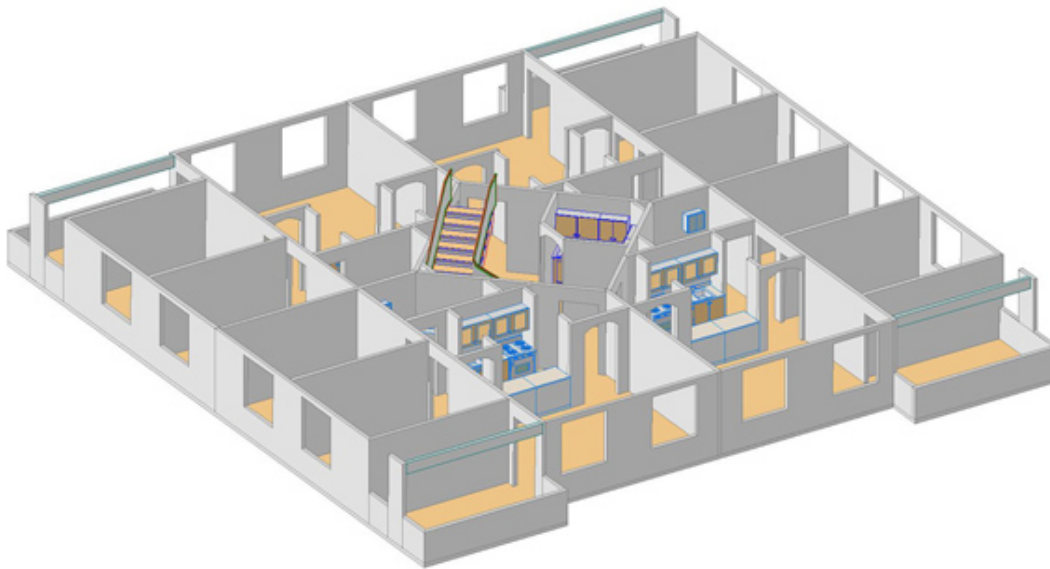


Low cost community & commercial buildings

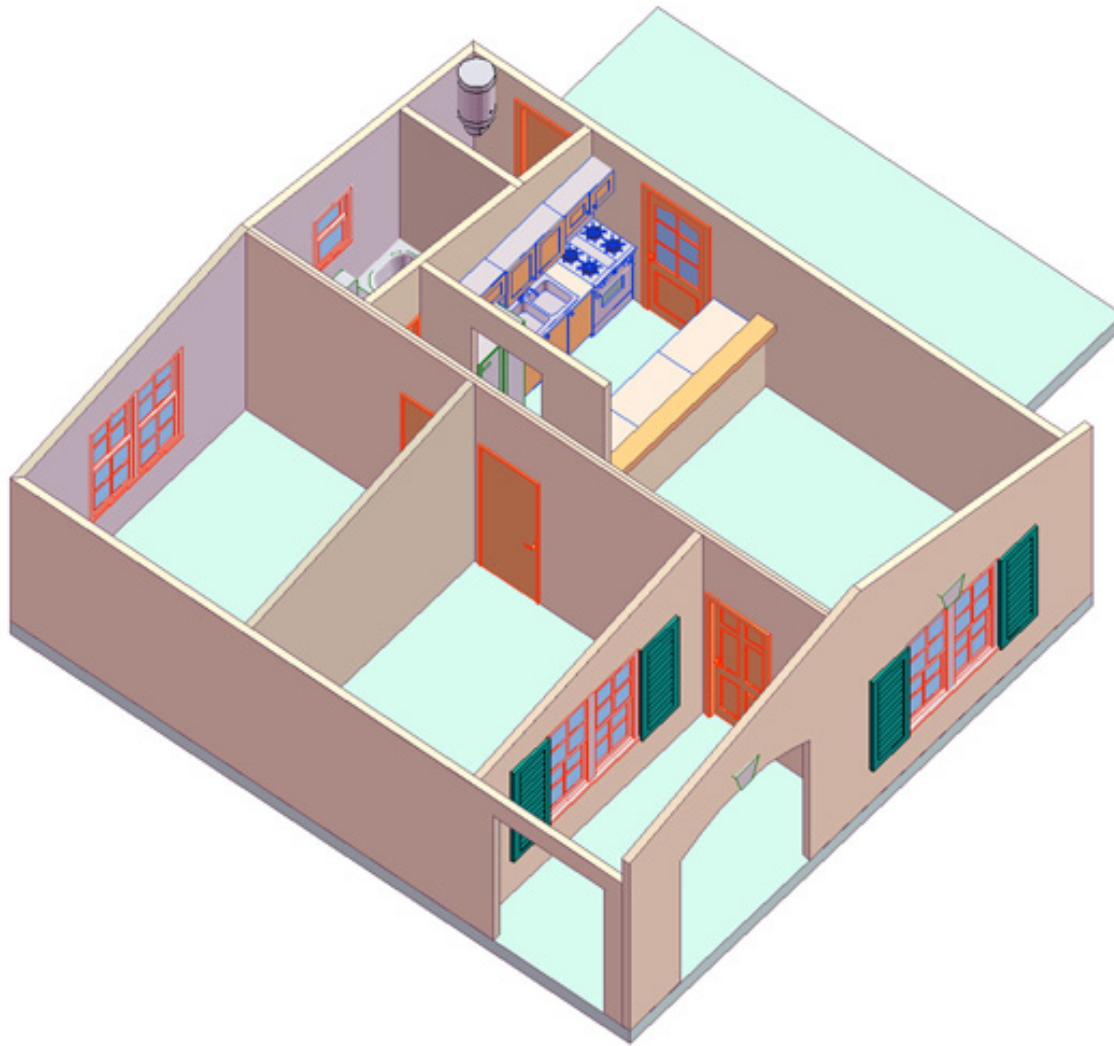




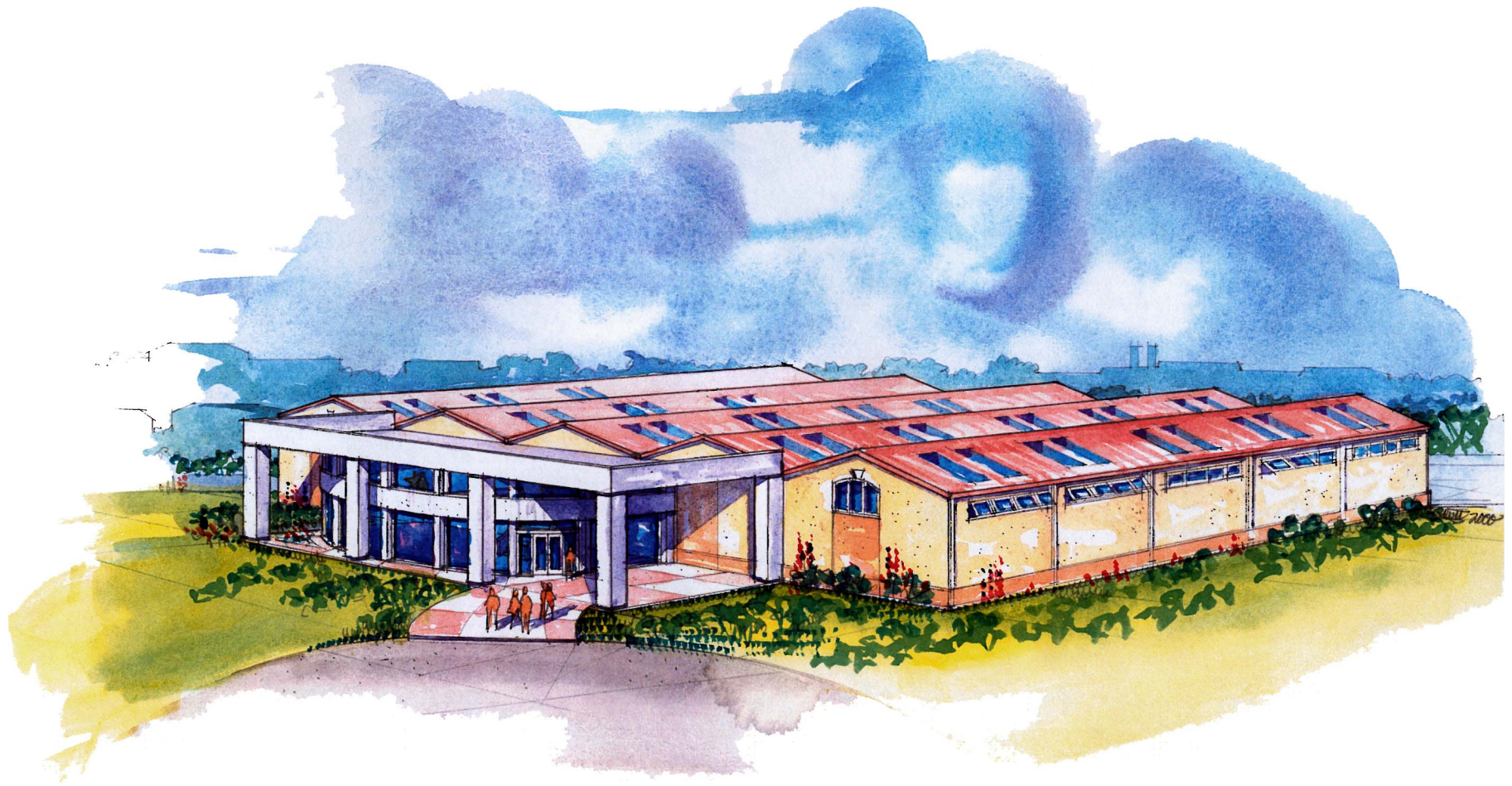
50' clear span using steel trusses at 5' on center



Disaster resistant
low cost multi-story
apartments



Disaster resistant low cost housing



Am-cor factories stimulate regional economies

