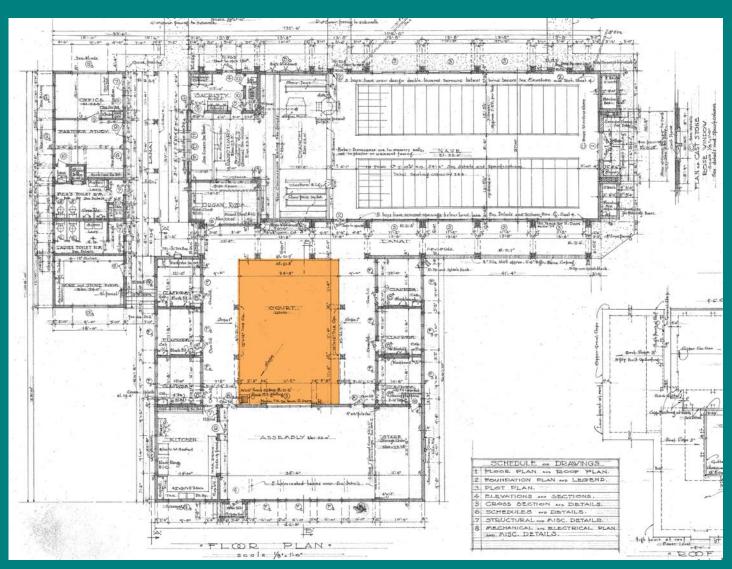


Hörmann Courtyard



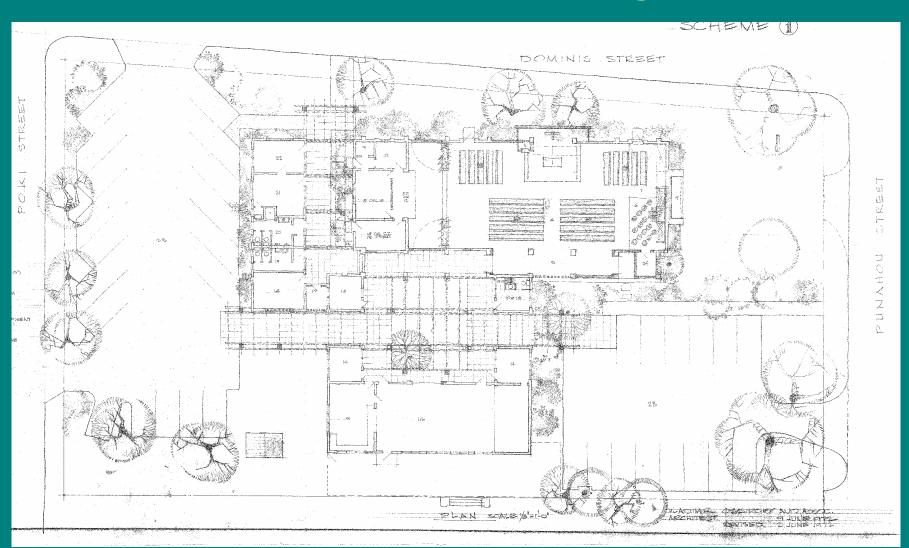
Performance Criteria

- 1. Provide shelter from sun and rain.
- 2. Maintain opening to let rain in.
- 3. Maintain views of the sky, steeple, and trees.
- 4. Avoid casting shadow on solar panels.
- 5. Maintain good ventilation.
- 6. Avoid greenhouse effect.
- 7. High reflectivity / avoid heat absorption.
- 8. Easily maintained and cleaned.

Performance Criteria

- 9. Require no major building modifications.
- 10. No new support posts.
- 11. Be reusable if/when additional stories are added to the building.
- 12. Meet requirements for wind and seismic load.
- 13. Meet fire code requirements.
- 14. Have a long-term warranty.
- 15. Cost at or under budget [\$30k \$35k]

Hörmann Courtyard



- 1. Aluminum and Poly Carbonate
- 2. Cable-tensioned Fabric
- 3. Aluminum Frame and Fabric
- 4. Retractable Fabric Awning
- 5. Trellis / Louvered Roof
- 6. Standard Roofing

Aluminum & Poly Carbonate



Aluminum & Poly Carbonate





Aluminum & Poly Carbonate



Cable-tensioned Fabric



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Cable-tensioned Fabric



Cable-tensioned Fabric



Aluminum Frame & Fabric



Aluminum Frame & Fabric



Aluminum Frame & Fabric



Retractable Fabric Awning



All Island Rollshutter

Retractable Fabric Awning



All Island Rollshutter

Retractable Fabric Awning











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1. Aluminum and Poly Carbonate



2. Cable-tensioned Fabric



3. Aluminum Frame and Fabric



4. Retractable Fabric Awning



5. Trellis / Louvered Roof



6. Standard Structural Roofing

Courtyard Modifications

- Resurface concrete flooring
- Labyrinth design
- Tree
- Fountain
- Downspout water pots / planter pots

