

SUSTAINABILITY NOTES:

Roof strategy – highest priority item

Some roof areas need substantial repair

Some areas could become green roofs

Some roof areas need added tapered insulation to re-slope to scuppers

Some roof areas are in good shape – one could use a new coating

Mechanical system

Current system is 80% efficient, new would be 97% efficient (lower heating bills)

First install programmable thermostats (low cost)(w/occupied ~72, unoccupied ~60)

Check with mechanical contractor to use air conditioning unit as heat pump to use in spring/fall for more efficiency (piggyback style)

Check with mechanical contractor on staging furnances (replace #2 furnance with 97% efficiency & less efficient furnance would kick on at 5 below and 10 below setpoint)

Number 2 furnace not currently working – replace with high efficiency and set thermostat so it turns out first (simple controls)

Kitchen furnace currently comes in from outside – switch to supply from inside so air does not have to heat up as much (lower heating bills)

Confirm combustion air makeup

Lighting

Replace surface mount light fixtures. Check to see if fixtures that are out actually work by testing them with working bulbs

Check on using T-8 bulbs in current fixtures (lower electric bills)

Change out Exit signs to LED (lower electric bills)

Windows

Replace exterior windows

Some exterior windows could be moved to interior walls to bring in daylight to interior spaces

Add decorative grills for security

Consider glass block in some areas (especially rear)

Connect windows to alarm system

The Lao Advancement Organization of America builds upon the strengths and traditions of Lao culture, to give Lao families in Minnesota, and in the United States the tools they need to succeed in their new homeland



LAO America Community Center - Minneapolis,
Design Charette 7.22.06

Lao Advancement Organization of America

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sustainability
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