

Changing Animal Shelters for a Changing World

Heather E. Lewis, AIA, NCARB, AAA



Emerging Challenges in Shelter Design

Energy and Climate

Connecting with Community and Pet Families

Post-Covid Design Strategies

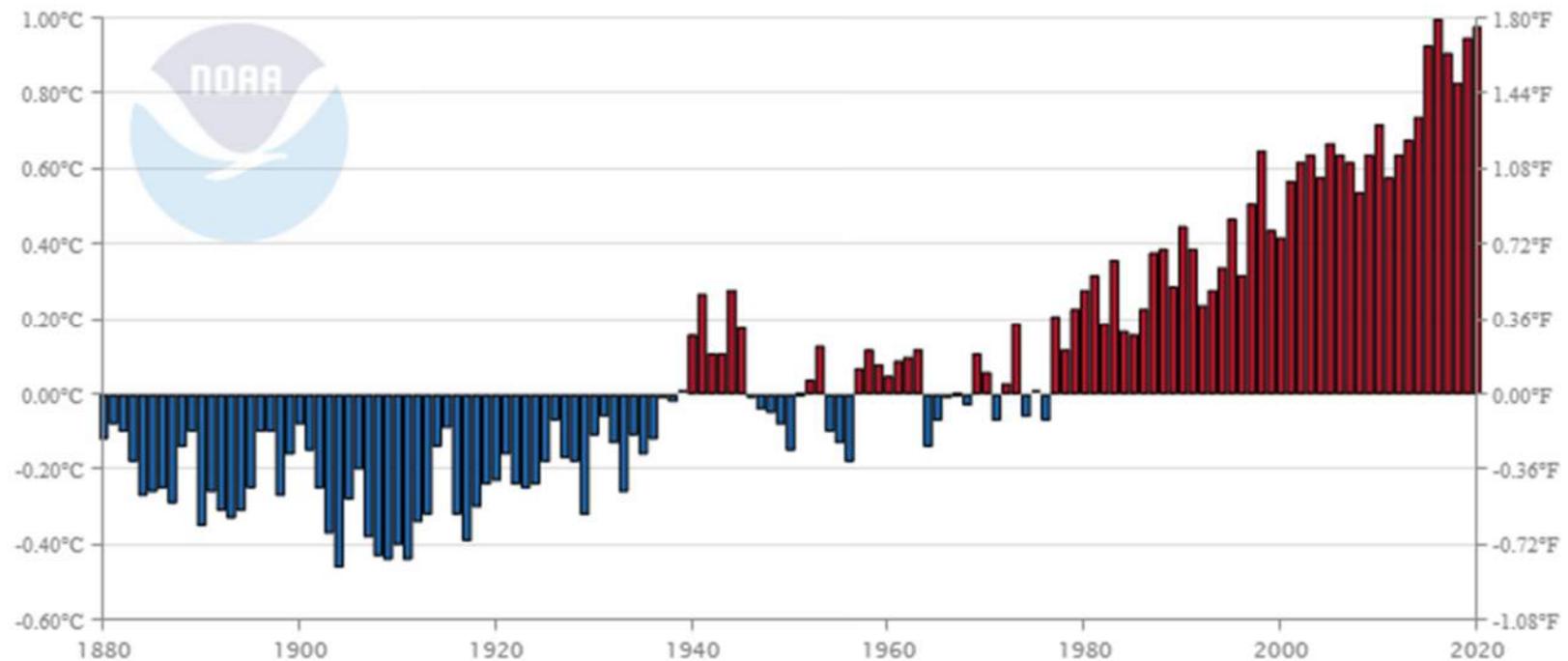


Energy and Climate

- Hot climates are even hotter, and weather is extreme
- Shelter buildings are energy hogs

Global Land and Ocean

January–December Temperature Anomalies

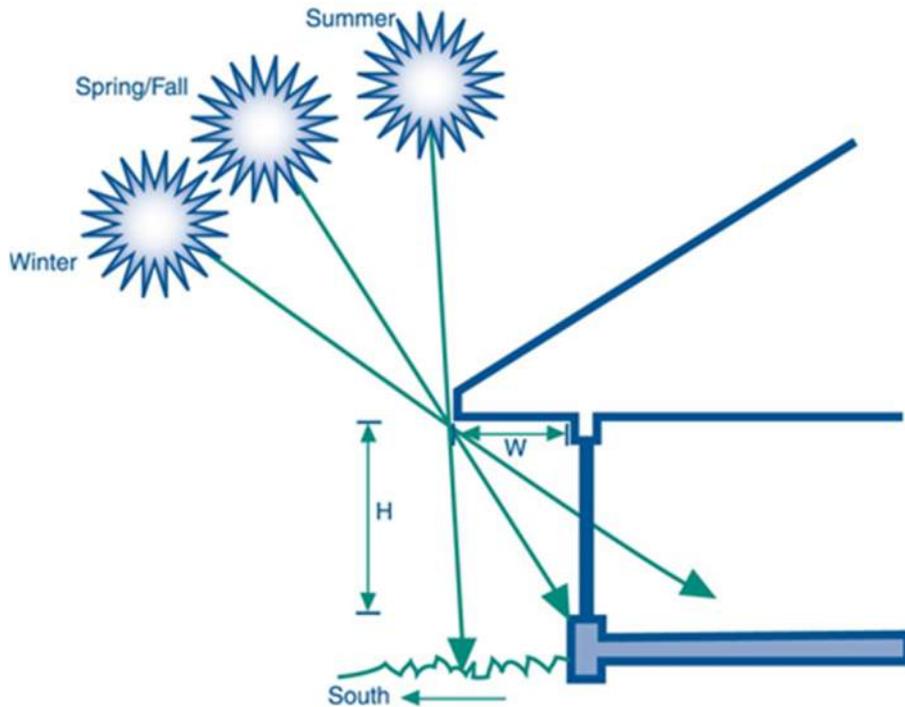


Design Methods To Use

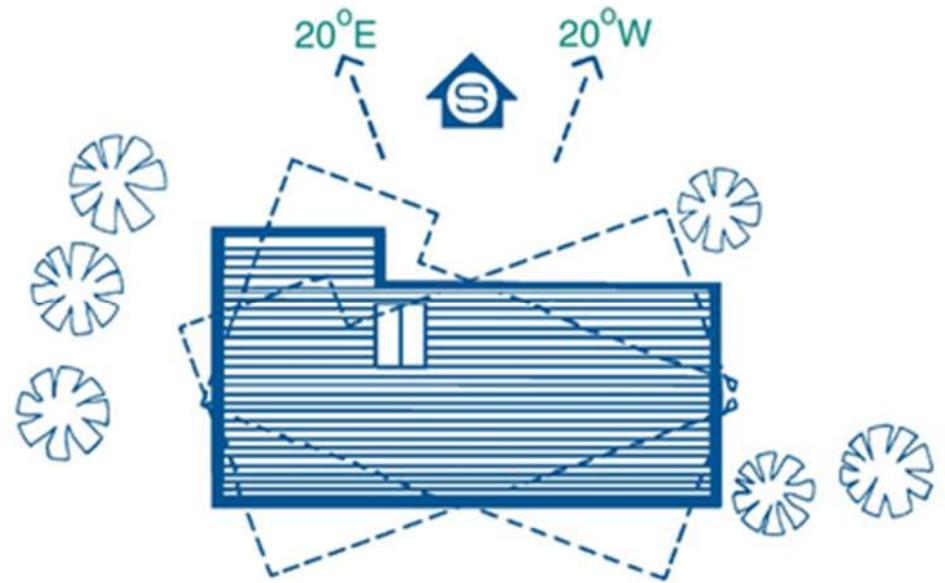
- High Performance HVAC Including Commissioning
- **Proper Building Orientation**
- **Use Traditional Strategies for Local Climate**
- **Indoor/Outdoor Spaces**



Building Orientation Examples



Rule of thumb: $w = \frac{1}{2}H$



Traditional Strategies



Traditional Strategies



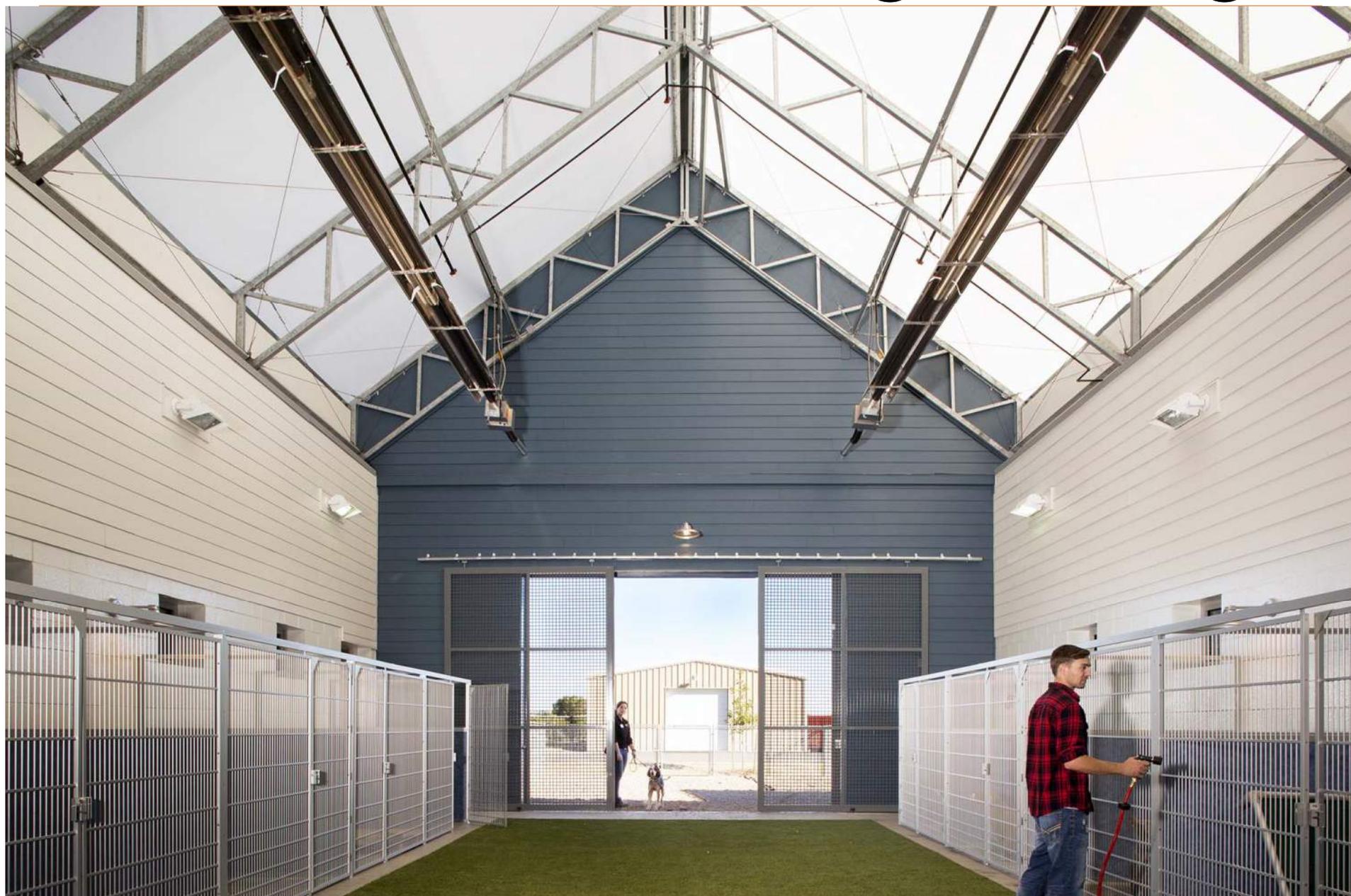
Indoor/Outdoor– Meet & Greet



Indoor/Outdoor- Catio



Indoor/Outdoor- Dog Housing



Indoor/Outdoor Dog Play!



Examples in Other Industries



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Community-Focused Sheltering

From Collector to Connector



Inclusivity



How to Build Inclusivity

- Equal Care to All Services
- Architecture that Reduces Service Barriers of All Types
- *(physical, language, gender, socioeconomic)*
- Architecture that Respects Privacy



Practical Examples!

- All Gender Restrooms & Companion Restrooms
- Counseling Rooms, Privacy at Desks
- Bilingual Staff, Signage
- Signage that Uses Images 
- Wide Hallways
- Volunteer Opportunities for All Abilities
- HC Accessible and Child Accessible Adoption Zones
- Noise Reduction (helps veterans and those with sensory sensitivities)



Resource Based, NOT Housing Based

FOOD BANKS



BEHAVIOR SERVICES



PUBLIC VETERINARY SERVICES



COMMUNITY CAT PROGRAMS



A Little Math (not too much)

How Much Housing do you Need?

Intakes / days in year x length of stay = base x peak factor = number

365 dogs / 365 days = 1 dog per day x 10 day ave. LOS = 10 dogs x 1.2 = 12 dogs

Example: let's say intakes double:

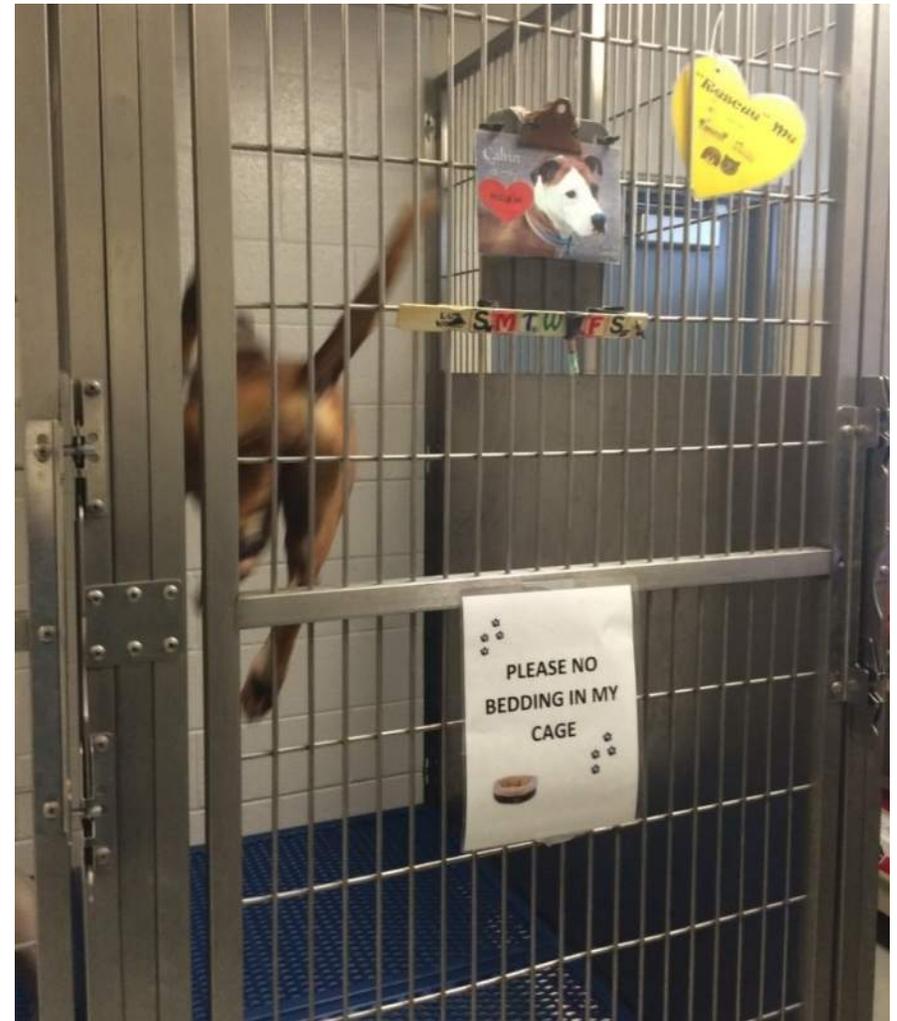
730 dogs / 365 days = 2 dogs per day x 10 day ave. LOS = 20 dogs x 1.2 = 24 dogs

Example: let's say LOS doubles:

365 dogs / 365 days = 1 dog per day x 20 day ave. LOS = 20 dogs x 1.2 = 24 dogs



People and Pets Don't Thrive in Institutions



Responsible Shelter Design

- Is based on best operations for the organization
- Builds the number of housing units that can be staffed
- Right sizes housing to allow \$\$ for preventative programs!
- Builds in flexibility for unusual circumstances!!!



Flexibility is Both Difficult and Important



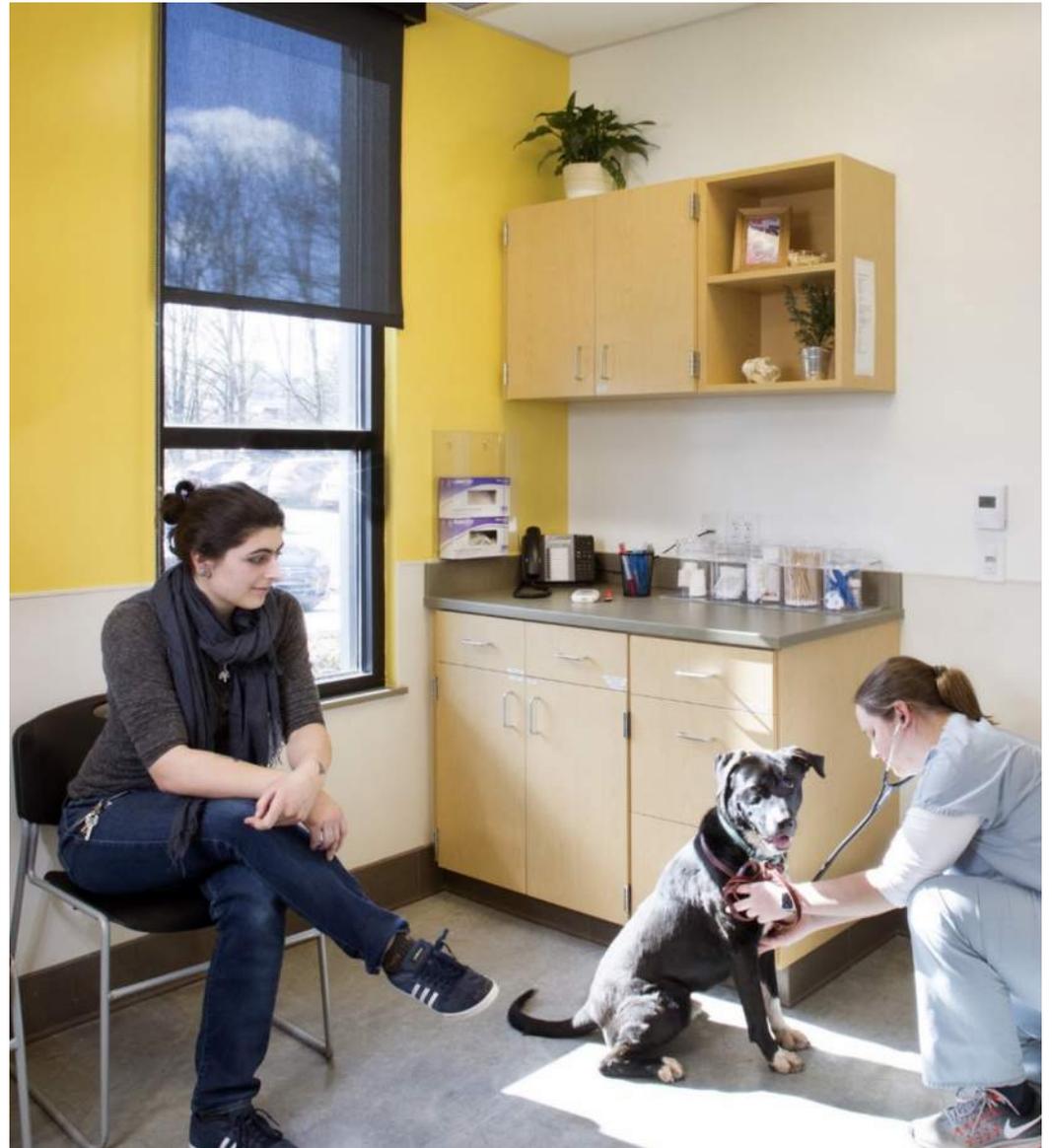
Flexibility Housing Is Essential



Why Foster Care ROCKS

20 cats in foster care =
30 s.f. per cat x \$400 /s.f. =
\$240,000 capital dollars saved.

20 dogs in foster care =
75 s.f. per dog x \$400/s.f. =
\$600,000 capital dollars saved.



Pamper Your Precious Foster Parents and Families



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Keep Some Curbside, Keep Some Appointment Based Services



Indoor/Outdoor Design



Indoor/Outdoor Design



Different Housing for Animals



Different Housing



Different Housing



Clean Aesthetics



Co-Work with Animals

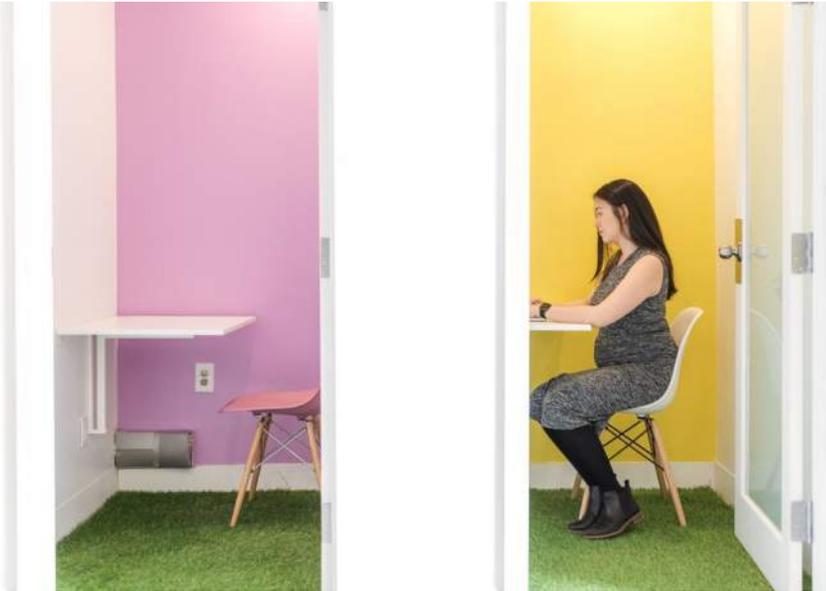


Co-Work with Animals



The Connected Canine and Animal Arts

Human Workspaces



Assembling the Ideas!

A Shelter Could be More Aligned with Weather and Climate in its Location

Shelters Could be Smaller and Program Focused (connectors, not collectors)

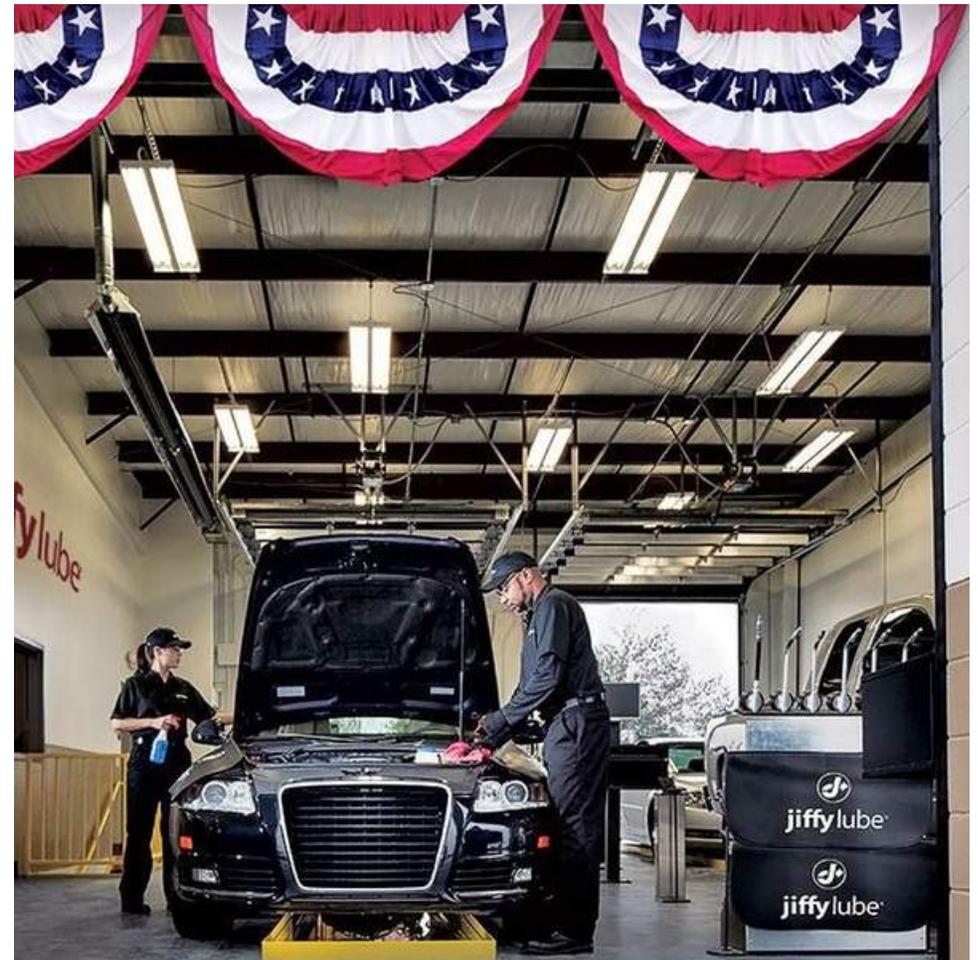
Shelters Have the Opportunity to be More Inclusive of All

Animals Can be Housed Differently

We Can Break Everything and Reassemble It (why not, we're used to it)



Build Different Things!



8 Ideas for the Small Shelter

- 1) Build a Catio (Scouts, Volunteers?)
- 2) Brainstorm Ideas for Minor Modifications for inclusivity
- 3) Build a Prefab. Building for: food bank, warehouse, vaccine clinic
- 4) Utilize Some Dog Kennels for Cats
- 5) Enlarge Some Kennels
- 6) Add a Covered Dog Play Yard
- 7) Redesign Office Area for Flexible Work
- 8) Pamper Your Fosters by Creating an Area for Foster Support Services



Thank You!

Contact us anytime at:

www.animalarts.com

