

CHAPTER 3: SOLUTIONS

CAN IT BE
SOLVED - YES!

DESCRIPTION:

Make Windows Visible to Birds

Maybe fly-through city with new architecture/window treatment

TO DO:

- verify copyright rules
- carefully cut footage
- work on transitions



BIRD VISUAL AND PHYSICAL PARAMETERS

DESCRIPTION:

UV and Eyesight research

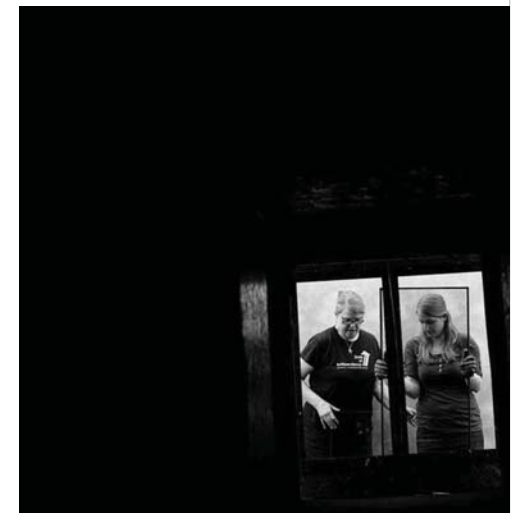
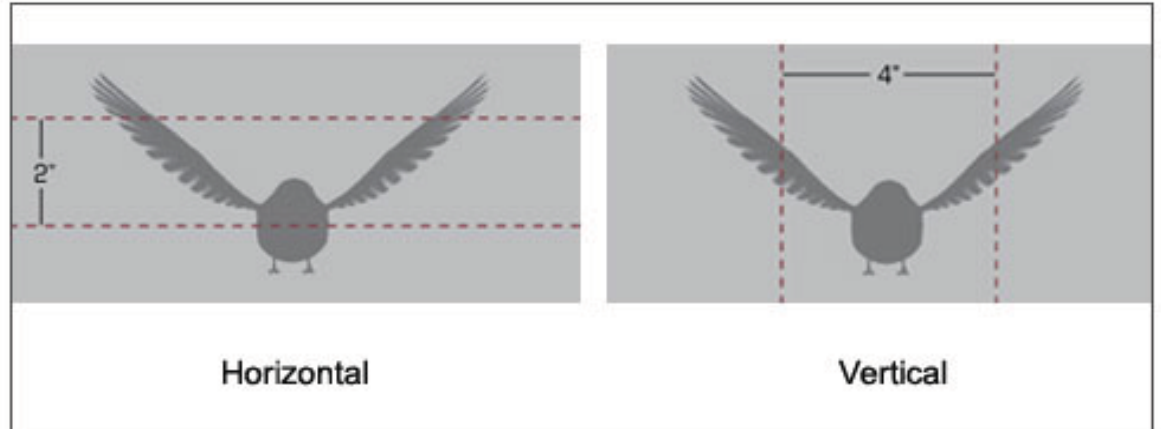
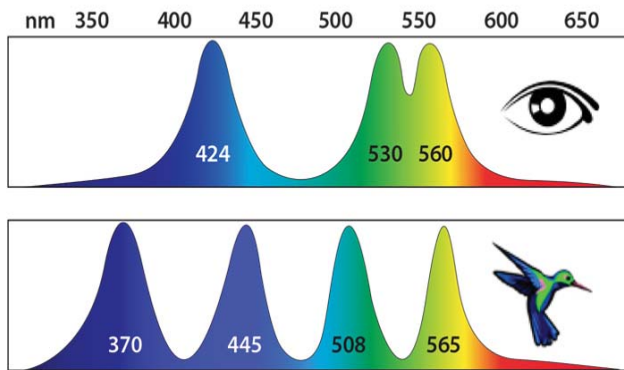
2x4 Rule

Tunnel Testing

TTO DO:

- find videos/make gif animation
- verify copyright rules
- carefully cut footage
- work on transitions

Comparison of Human and Avian Vision



NEW BUILDING SOLUTIONS

DESCRIPTION:

Ornilux

manufacturing of fritting

fly through's of louvers

TO DO:

- verify copyright rules
- carefully cut footage
- work on transitions



What We See



What the Birds See



EXISTING BUILDING SOLUTIONS

DESCRIPTION:

Screens, nets

CollideScape, Tape

Paint, Soap, Bird Feeder Location

TO DO:

- verify copyright rules
- carefully cut footage
- work on transitions



NIGHT SKY LIGHTING

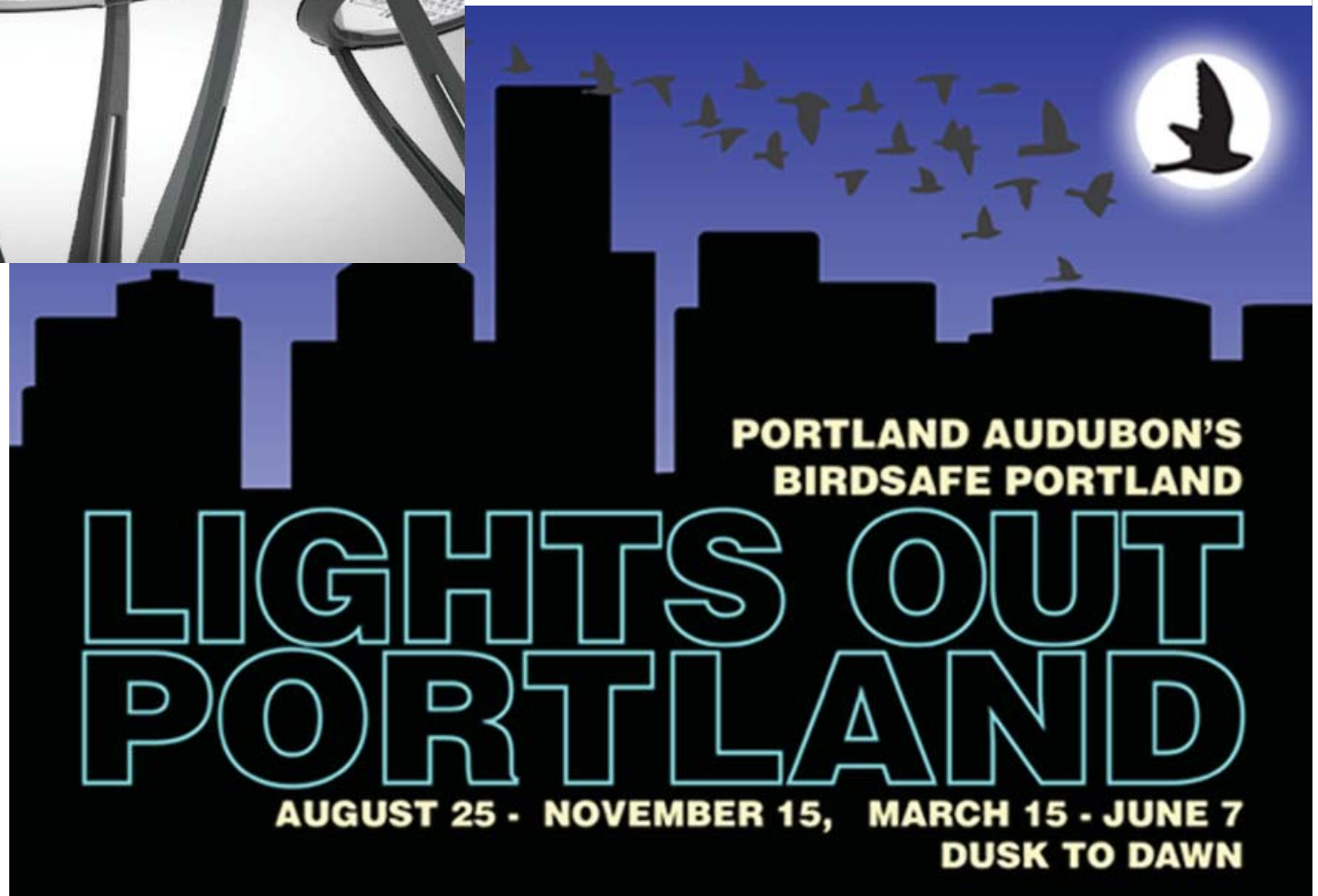
DESCRIPTION:

Night Sky Solutions

and Policies

TO DO:

- verify copyright rules
- carefully cut footage
- work on transitions



PORTLAND CASE STUDIES

DESCRIPTION:

Lewis & Clark

Pump Station

Edith Green

TO DO:

- contact MWA architects, Hennebery again
- verify copyright rules
- carefully cut footage
- work on transitions



CODES REGULATIONS LEED

DESCRIPTION:

City of Portland Adoption of Audubon's Bird
Friendly Guidelines,
Mention of Other Cities
LEED

TO DO:

- Include footage of resolution from City Council
- verify copyright rules
- carefully cut footage
- work on transitions



LEED Pilot Credit Library

Pilot Credit 55: Bird Collision Deterrence

Pilot Credit 55: Bird Collision Deterrence

[Applicable Rating Systems >>](#)

[Requirements >>](#)

[Submittals >>](#)

[Additional Questions >>](#)

[Background Information >>](#)

[Changes >>](#)

Applicable Rating Systems

This credit is available for pilot testing by the following LEED project types:

[New Construction](#)

Core & Shell

Schools

Retail: New Construction

Healthcare

[Existing Buildings: Operations & Maintenance](#)

Intent

Reduce bird injury and mortality from in-flight collisions with buildings.

Requirements

NC, CS, SCHOOLS, RETAIL, HEALTHCARE

Comply with one of the Building Façade options, one of the Interior Lighting options, one of the Exterior Lighting options, and the Post-Construction Monitoring Plan requirements below.

Building Façade Requirements

Develop a building façade design strategy to make the building visible as a physical barrier and eliminate conditions that create confusing reflections to birds.

If all materials on the building façade have a Threat Factor¹ of 15 or below, the project is exempt from the building façade requirements and the following Bird Collision Threat Rating calculations are not required.

Bird Collision Threat Rating

If any material on the building façade has a Threat Factor above 15, then the Bird Collision Threat Rating calculations are required. First separate the building into Façade Zone

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SYNERGIES

DESCRIPTION:

Transformative not additive (won't cost more on new construction),
Energy Savings - less solar heat gain and energy use at night,
Glare Reduction,
Added Privacy

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FINAL THOUGHTS

AND BEAUTIFUL SOLUTIONS

DESCRIPTION:

Conclusions

Roll through of amazing bird friendly build-
ings throughout world

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