Myth Busters:
Excellence in Universal Design

Presented by the AIA Universal Design community on AIA KnowledgeNet and the AIA Small Project Practitioners Knowledge Community

Good design
makes a difference™

THE AMERICAN
INSTITUTE
OF ARCHITECTS

Future, Free AIA Webinars

June 26
Introduction to BOMA Measurements

June 28
Human Resources: Creating the right workforce for your future

July 13
Practical BIM

Register at No Cost
http://network.aia.org/events/webinars

Good design
makes a difference™

THE AMERICAN
INSTITUTE
OF ARCHITECTS

Copyright Materials

This presentation is protected by US and International Copyright laws. Reproduction, distribution, display and use of the presentation without written permission of the speaker is prohibited.

©2012 The American Institute of Architects

Good design
makes a difference™

THE AMERICAN
INSTITUTE
OF ARCHITECTS

Compliance Statement

"AIA Knowledge" is a Registered Provider with The American Institute of Architects Continuing Education System (AIA/CES). Credit(s) earned on completion of this program will be reported to AIA/CES for AIA members. Certificates of Completion for both AIA members and non-AIA members are available upon request.

This program is registered with AIA/CES for continuing professional education. As such, it does not include content that may be deemed or construed to be an approval or endorsement by the AIA of any material of construction or any method or manner of handling, using, distributing, or dealing in any material or product.

Questions related to specific materials, methods, and services will be addressed at the conclusion of this presentation.

Good design
makes a difference™

THE AMERICAN
INSTITUTE
OF ARCHITECTS

AIA/CES Reporting Details

All attendees will be eligible to receive:
1 HSW CEH (AIA continuing education) or
1 HSW Experience Hour of IDP supplementary education credit.

All attendees at your site will submit for credit by completing the webinar survey/report form.

The URL to the survey/form will be listed at the end of the presentation. Certificates of Completion can be download at the end of the survey.

Continuing education questions can be directed to knowledgecommunities@aia.org.

Course Description

Some of the most persistent misconceptions about Universal Design are that it is “handicapped looking”, ungraceful and too expensive. These mistaken ideas often keep owners from accepting new modalities and leads to perpetuating bad practices. The projects presented in this workshop will dispel those myths and show that incorporating Universal Design features provides greater accessibility, increase property value and adds safety. This workshop will include presentations by three prominent architects whose projects have won the AIA Small Project Award for Universal Design. These architects will discuss their design philosophies, explore their firm’s production process, and show case study examples.

Good design makes a difference™
THE AMERICAN INSTITUTE OF ARCHITECTS

Learning Objectives

1. Learn how to dispel the misconceptions and myths about Universal Design.
2. Learn the many benefits of Universal Design and how it adds value to any property.
3. Learn how Universal Design provides added convenience and increases public safety.
4. Learn how to ask your client the important questions and get the meaningful answers.

Good design
makes a difference™

THE AMERICAN INSTITUTE OF ARCHITECTS

Miguel Rivera, AIA, LEED AP
Miro Rivera Architects

Reggie Stump, Architect
ASTIGMATIC Studio

E.B. Min, AIA
Min | Day

Submit a question to the moderator via the Chat box. They will be answered as time allows.

Laura Montllor, AIA
Architect, HomeFreeHome.org
Moderator

Good design
makes a difference™

THE AMERICAN INSTITUTE OF ARCHITECTS

Myth Busters: Excellence in Universal Design

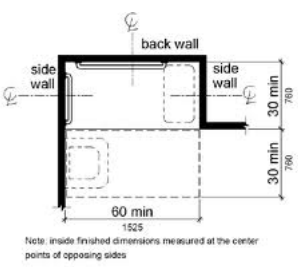
Laura Montllor, AIA

Good design makes a difference™

THE AMERICAN INSTITUTE OF ARCHITECTS

The Myths

1. Ugly – “handicapped looking”
2. Limits creative design
3. Too Expensive
4. Detracts from property value
5. Only for small % of population



9% of Americans have a disability that makes walking and climbing stairs difficult.

32% of those 65 and older

Source: Journal of the American Planning Association (JAPA) Aging and Disabilities - 2008

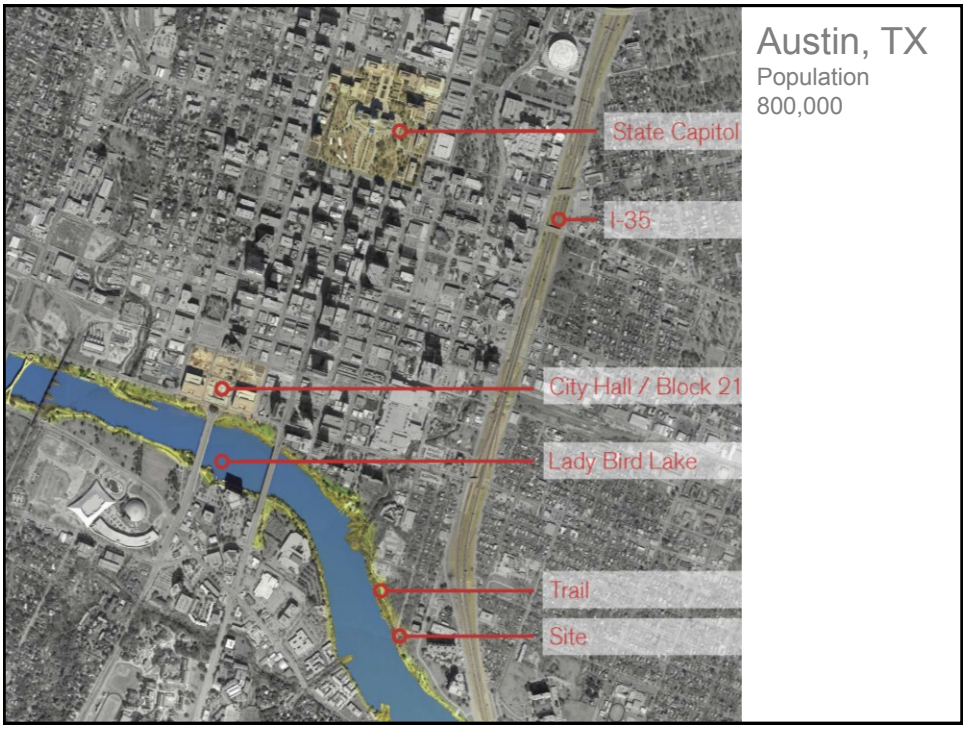
AIA Small Project Practitioners

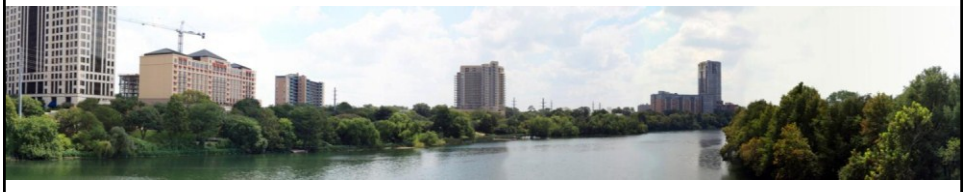
AIA/SPP generates, collects and disseminates knowledge and wisdom on how to profitably run a small firm and how to carry out small projects that do not fit into the model of departmental production that characterizes many larger firms.

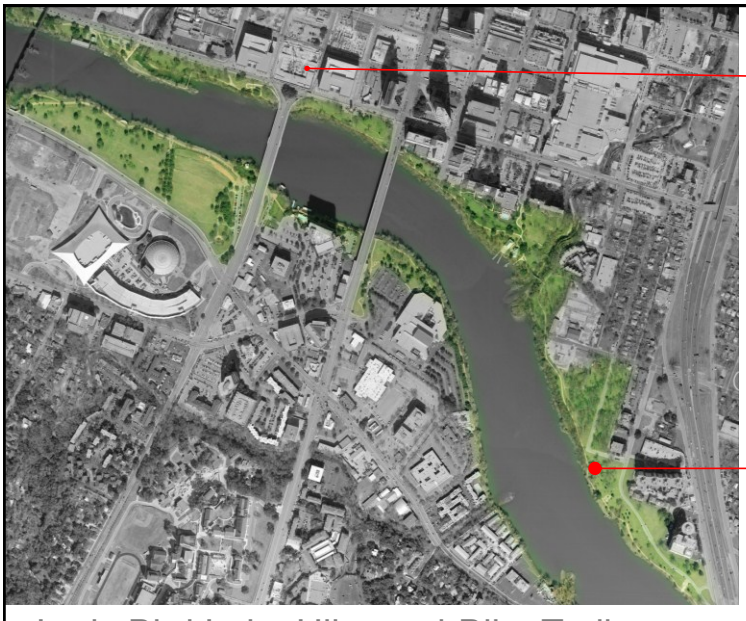
AIA Small Project Awards

- to recognize small project practitioners for the high quality of their work
- to promote excellence in small project design.
- to raise public awareness of the value and design excellence that architects bring to projects, no matter the limits of size and scope.

Trail Restroom
Austin, Texas (2008)
70 sq ft

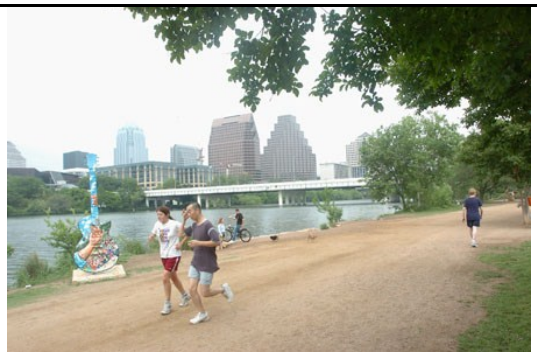

Austin, TX
Population
800,000
State Capitol
I-35
City Hall / Block 21
Lady Bird Lake
Trail
Site



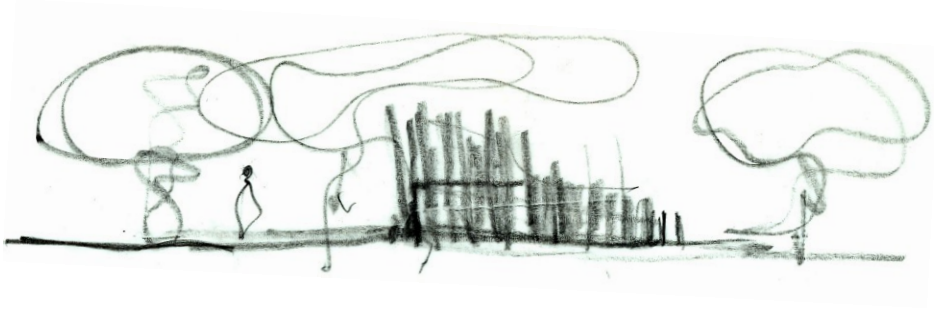


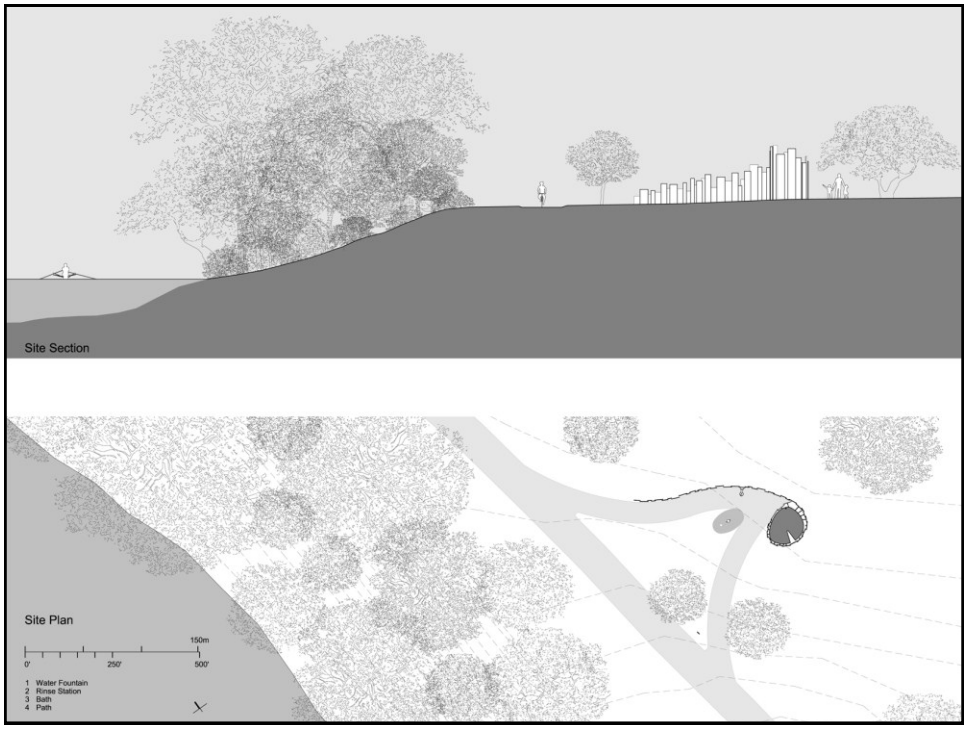
Lady Bird Lake Hike-and-Bike Trail

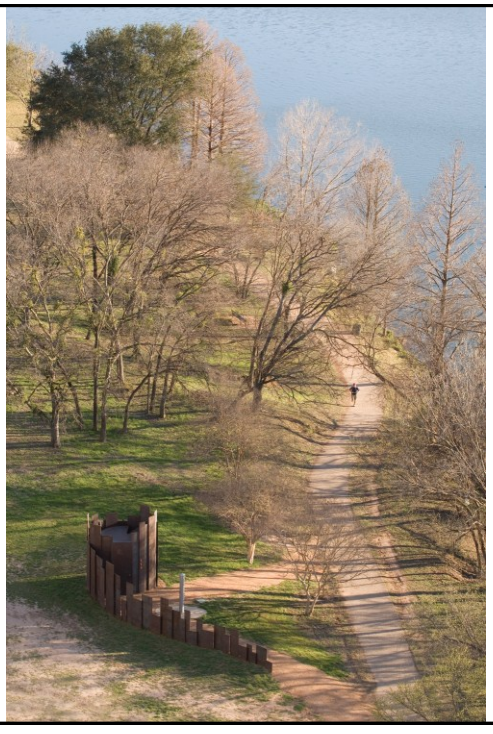
Formed in 1960, 10-mile trail with more than 1.5 million visits per year

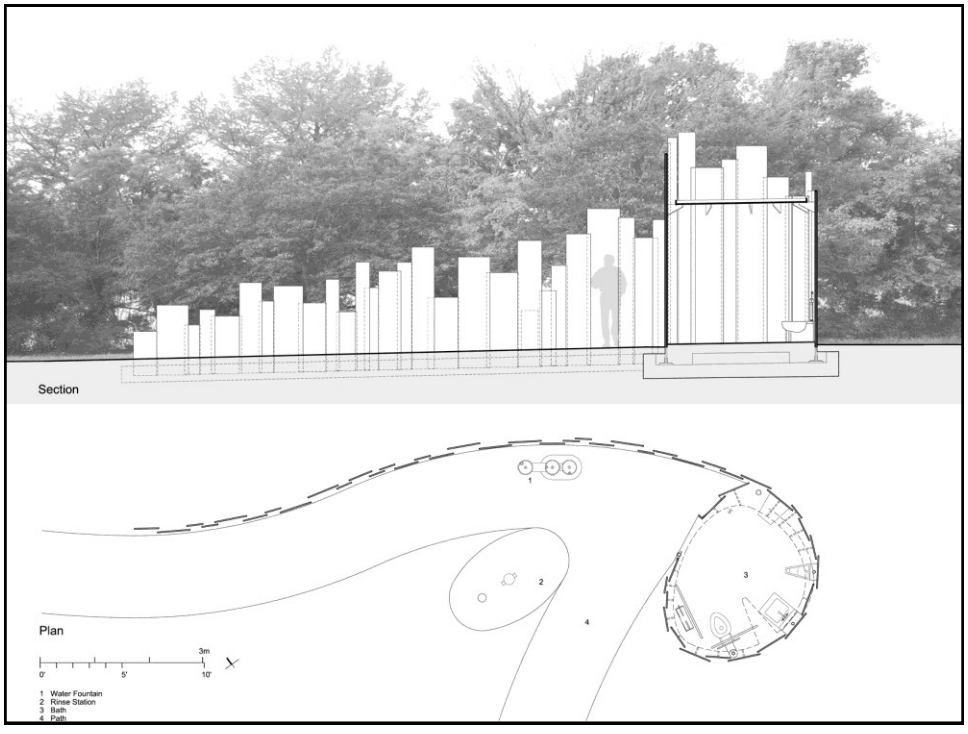


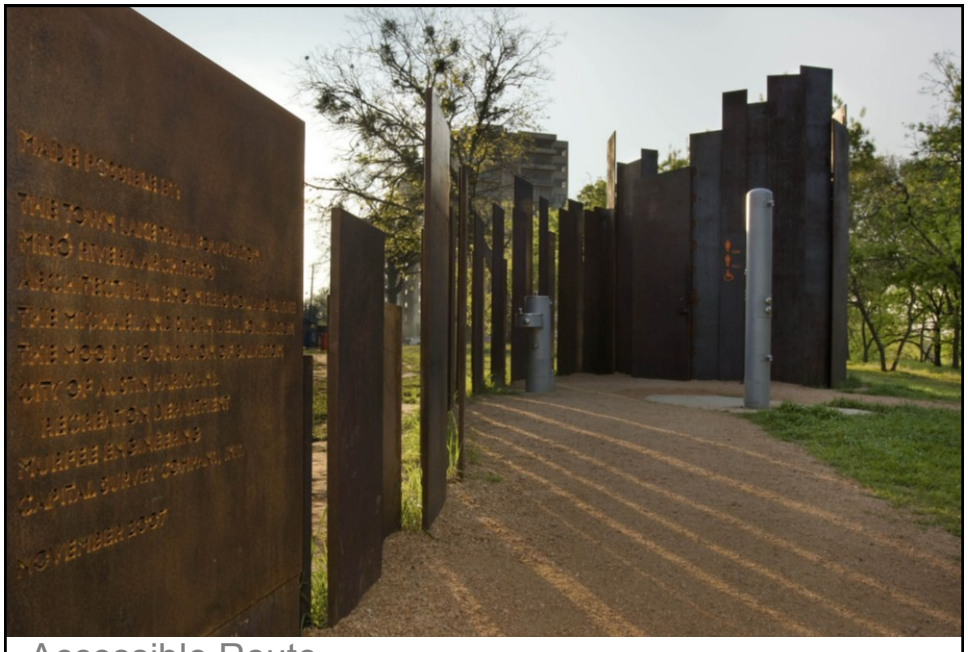
Existing



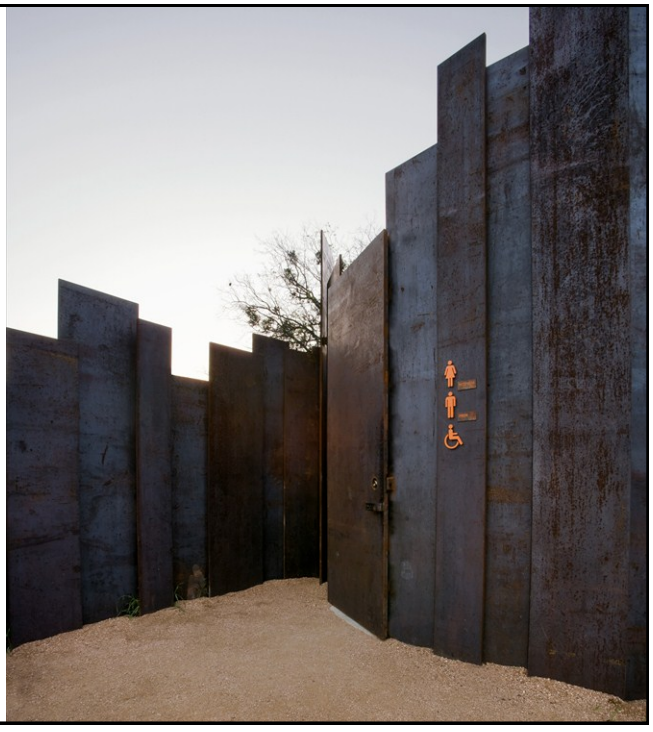

Site Section
Site Plan
150m
0'
250'
500'
1 Water Fountain
2 Rinse Station
3 Bath
4 Path





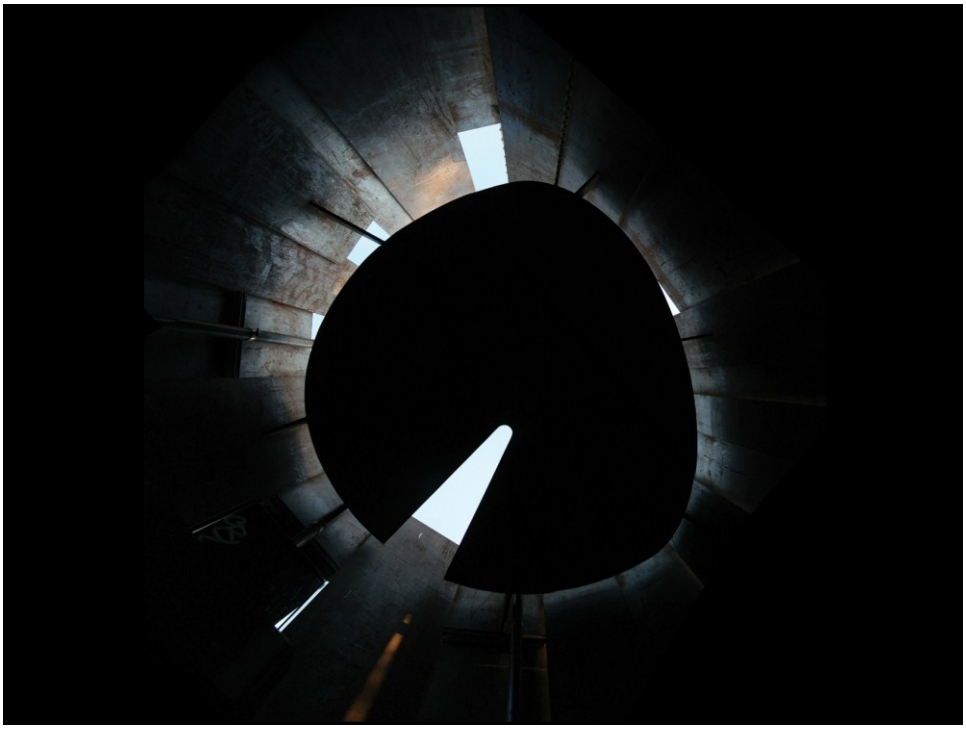


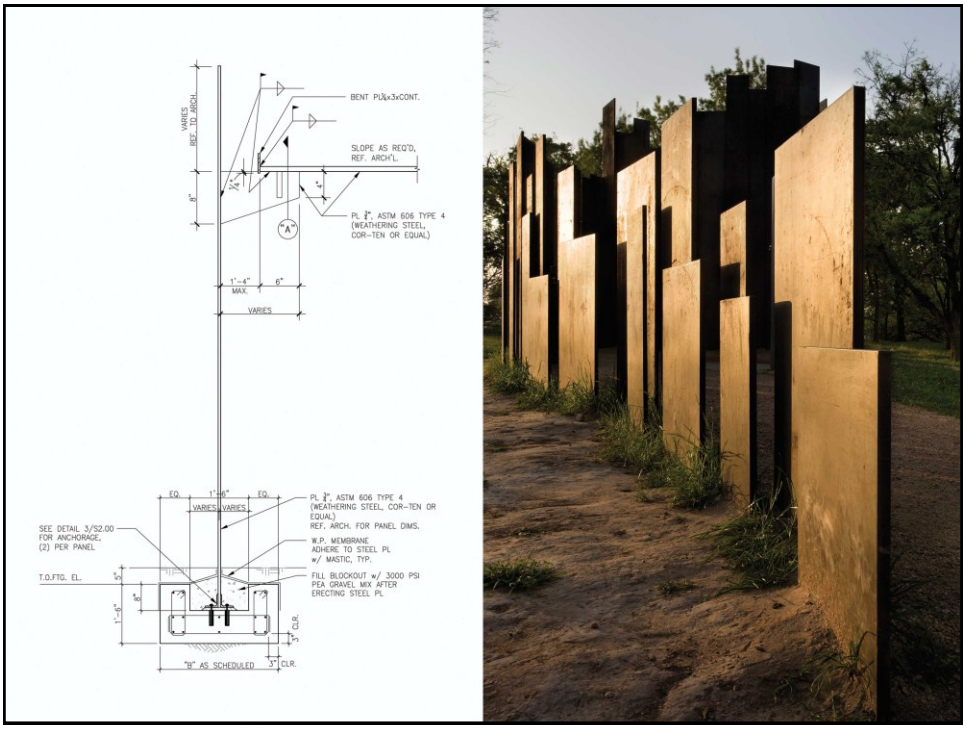
Accessible Route walking surfaces with a maximum of 1:20 running slope and 1:48 cross slope, no change in level greater than ½" (ADA/TAS 403.3 + 303.3)



Door Opening Force

Force required to pull or push open a door or gate other than fire doors shall not exceed 5 lbs (ADA/TAS 4.04.2.9)




VARIES
REF. TO ARCH.
BENT PL½x3xCONT.
SLOPE AS REQ'D,
REF. ARCH'L.
8"
¾"
4"
PL ¾", ASTM 606 TYPE 4
(WEATHERING STEEL,
COR-TEN OR EQUAL)
A
1'-4"
MAX.
6"
VARIES
EQ.
1'-4"
EQ.
VARIES
VARIES
PL ¾", ASTM 606 TYPE 4
(WEATHERING STEEL, COR-TEN OR
EQUAL)
REF. ARCH. FOR PANEL DIMS.
SEE DETAIL 3/S2.00
FOR ANCHORAGE,
(2) PER PANEL
W.P. MEMBRANE
ADHERE TO STEEL PL
w/ MASTIC, TYP.
T.O.FTG. EL.
5"
FILL BLOCKOUT w/ 3000 PSI
PEA GRAVEL MIX AFTER
ERECTING STEEL PL
8"
1'-6"
CLR.
3"
"B" AS SCHEDULED
3" CLR.

SKYTRAK

Directional Signage

Trail Restroom Awards and Publications

Envision Central Texas, Community Stewardship Award Finalist, 2011

AIA, Small Project Award, 2009

AIA Austin, Design Award, 2009

International Biennale Architectural Prize (Padova), Honorable Mention, 2009

London International Creative Competition, Honorable Mention, 2009

The Chicago Athenaeum, American Architecture Award, 2009

The Architectural Review, Awards For Emerging Architecture Honorable Mention, 2008

Texas Society of Architects, Design Award, 2008

World Architecture Festival (Barcelona), Design Award Shortlist, 2008

Miró Rivera Architects
mirorivera.com

LUMINOUS BODIES RESIDENCE

Vanderburgh County, Indiana

ASTIGMATIC Studio
www.astigmaticstudio.com

37

38

Jerry Butts Photography

39

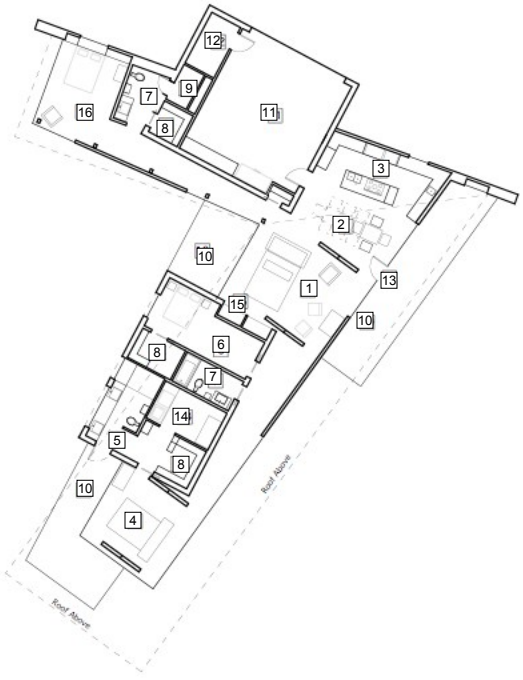
Alise O'Brien Photography

40

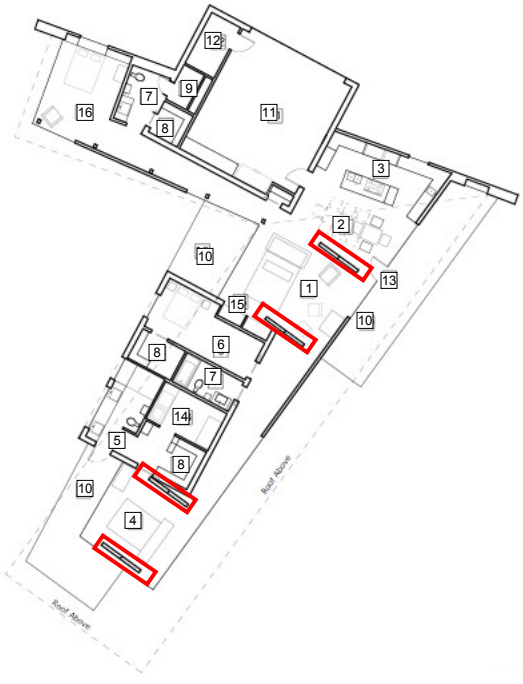
41

Alise O'Brien Photography

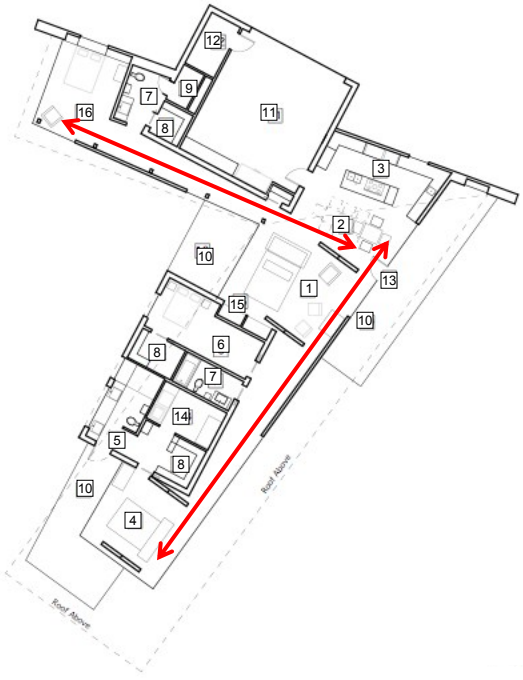
42



1. Living Room
2. Dining Room
3. Kitchen
4. Master Bedroom
5. Master Bathroom
6. Guest Bedroom
7. Guest Bathroom
8. Closet
9. Steam Room
10, Patio
11. Garage
12. Mechanical Room
13. Entry
14. Laundry Room
15. Fireplace
16. Library / Guest Bedroom



1. Living Room
2. Dining Room
3. Kitchen
4. Master Bedroom
5. Master Bathroom
6. Guest Bedroom
7. Guest Bathroom
8. Closet
9. Steam Room
10, Patio
11. Garage
12. Mechanical Room
13. Entry
14. Laundry Room
15. Fireplace
16. Library / Guest Bedroom



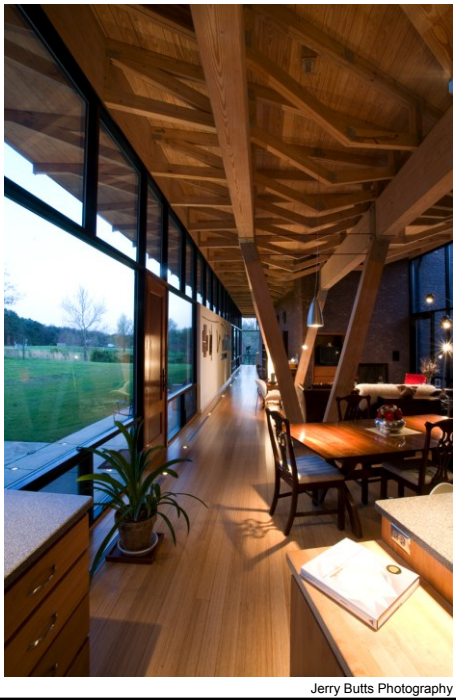
1. Living Room
2. Dining Room
3. Kitchen
4. Master Bedroom
5. Master Bathroom
6. Guest Bedroom
7. Guest Bathroom
8. Closet
9. Steam Room
10. Patio
11. Garage
12. Mechanical Room
13. Entry
14. Laundry Room
15. Fireplace
16. Library / Guest Bedroom

Alise O'Brien Photography

46

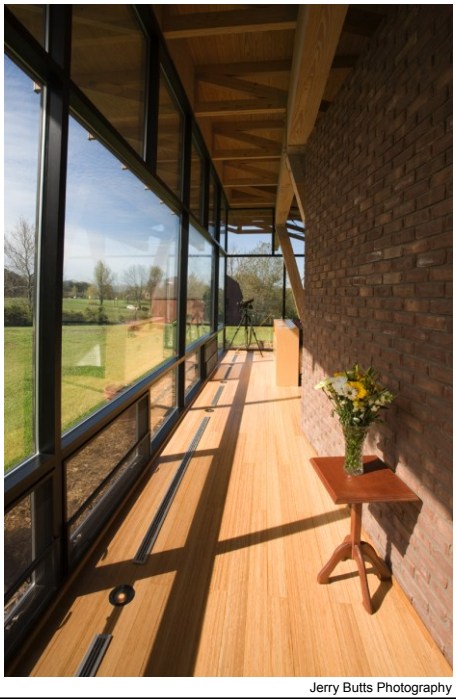
Jerry Butts Photography

47



Jerry Butts Photography

48



Jerry Butts Photography

49

Alise O'Brien Photography

50

Jerry Butts Photography

51

52

Jerry Butts Photography

53

Jerry Butts Photography

54

Jerry Butts Photography

55

Jerry Butts Photography

56

Jerry Butts Photography

57

Jerry Butts Photography

58

59

Jerry Butts Photography

60

Jerry Butts Photography

61

Jerry Butts Photography

62

Jerry Butts Photography

63

Jerry Butts Photography

64

Jerry Butts Photography

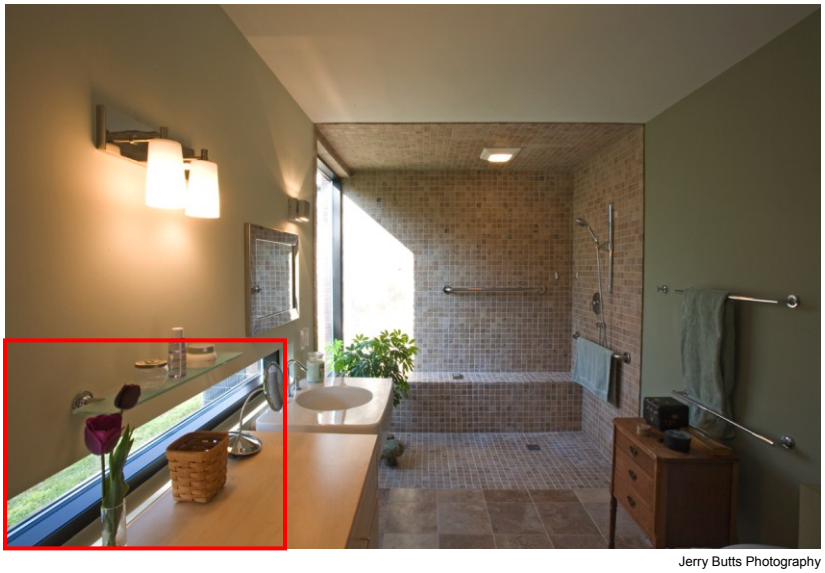
65

Jerry Butts Photography

66

Jerry Butts Photography

67



Jerry Butts Photography

68

Jerry Butts Photography

69

LUMINOUS BODIES RESIDENCE

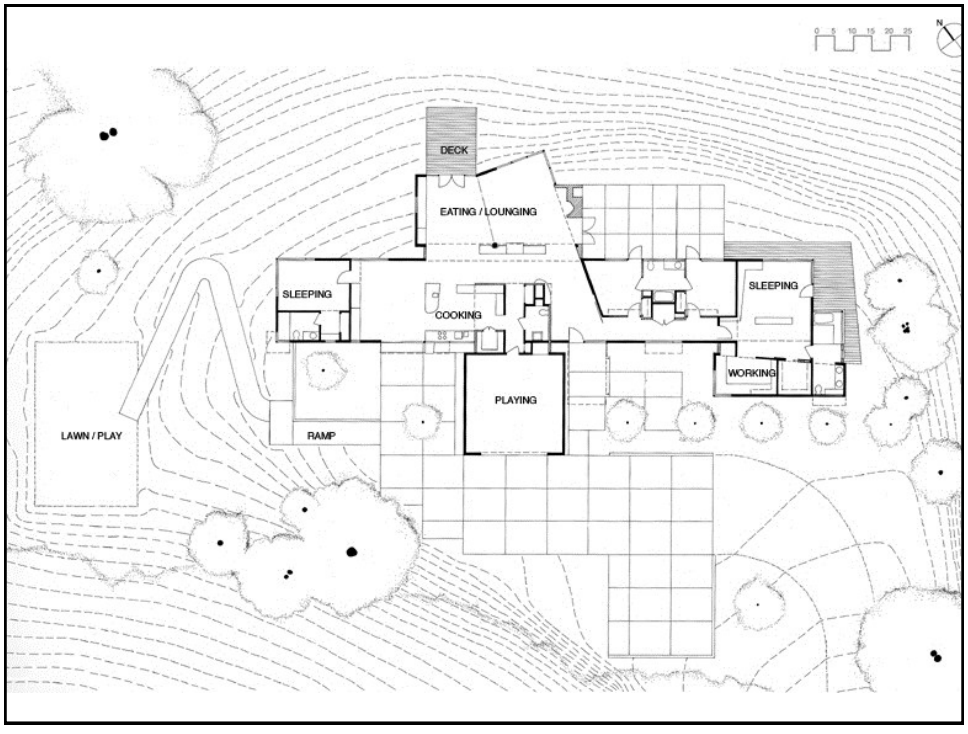
Vanderburgh County, Indiana

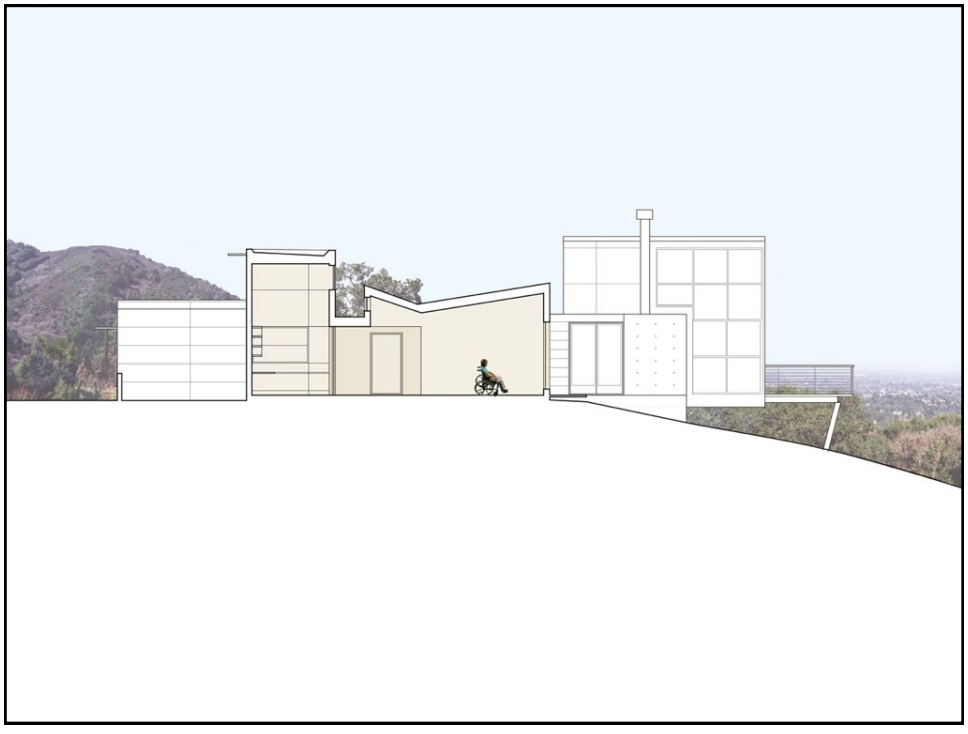
ASTIGMATIC Studio
www.astigmaticstudio.com

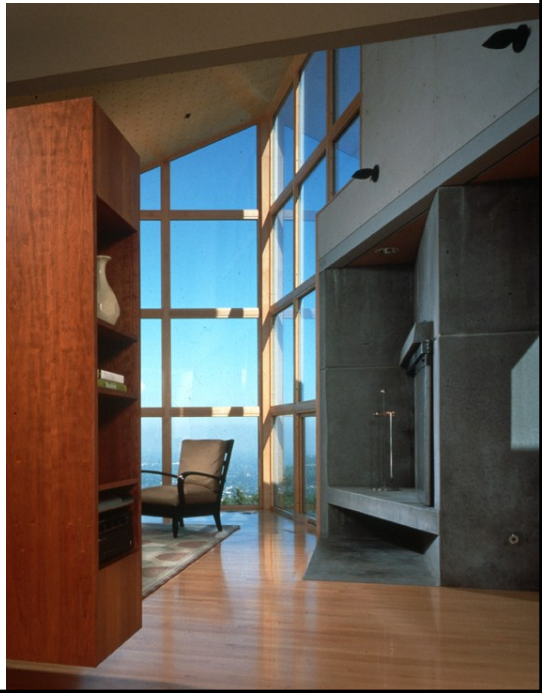
70

Min | Day

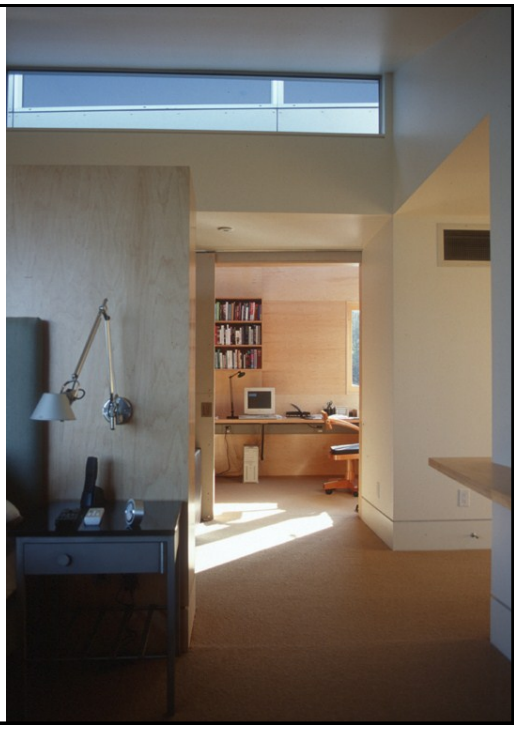
Saratoga House + Pool
Saratoga, CA

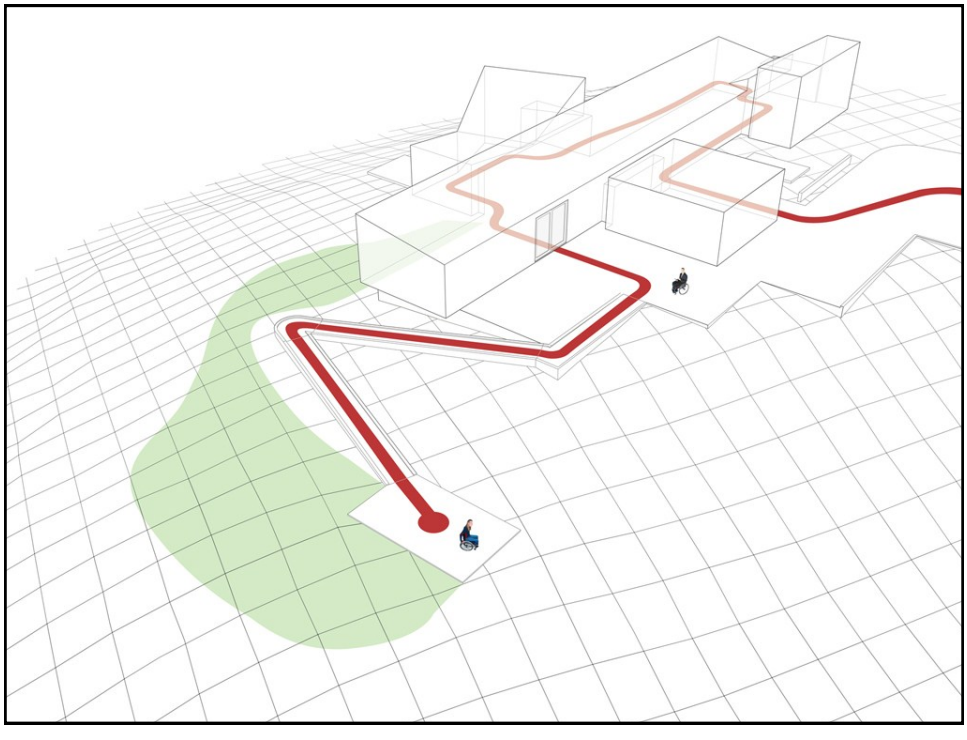

0 5 10 15 20 25
N
DECK
EATING / LOUNGING
SLEEPING
COOKING
SLEEPING
WORKING
PLAYING
LAWN / PLAY
RAMP

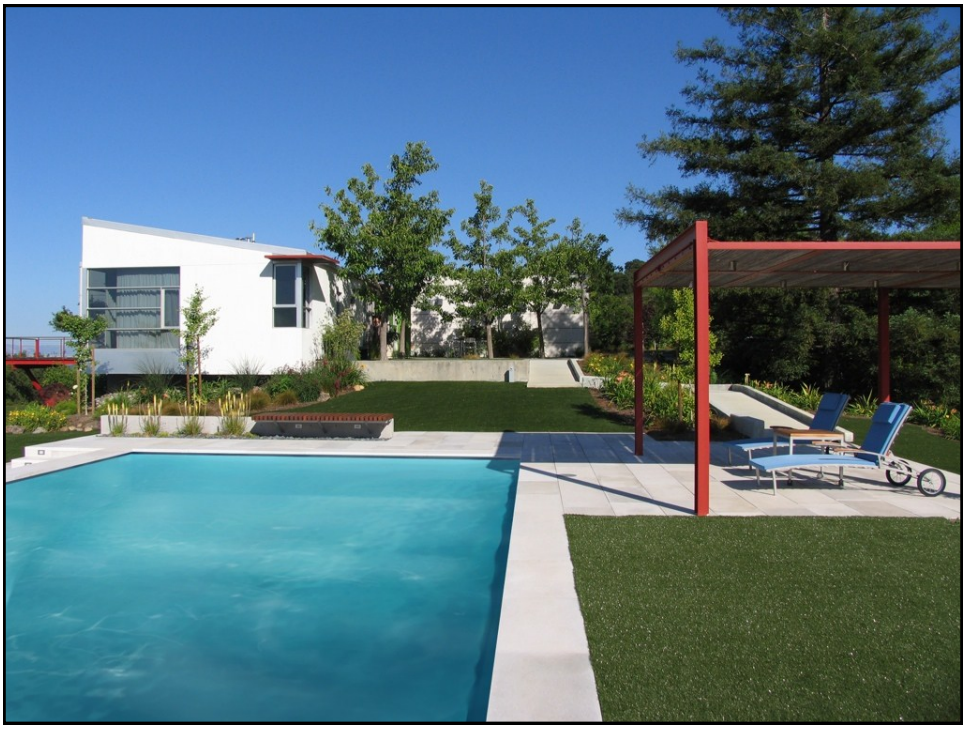


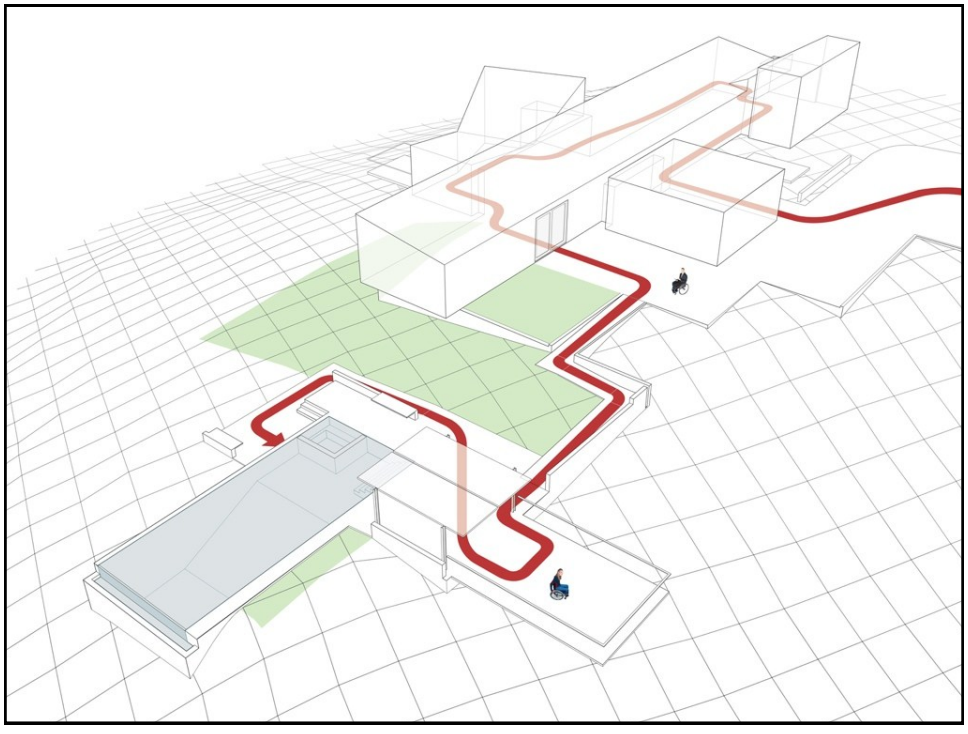


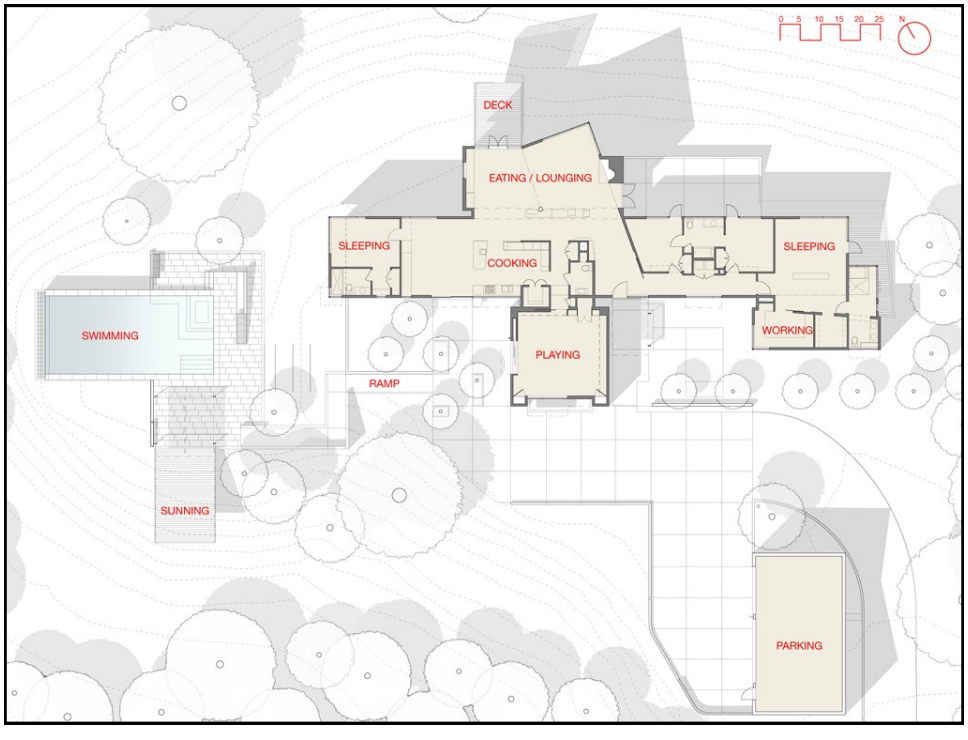
message center

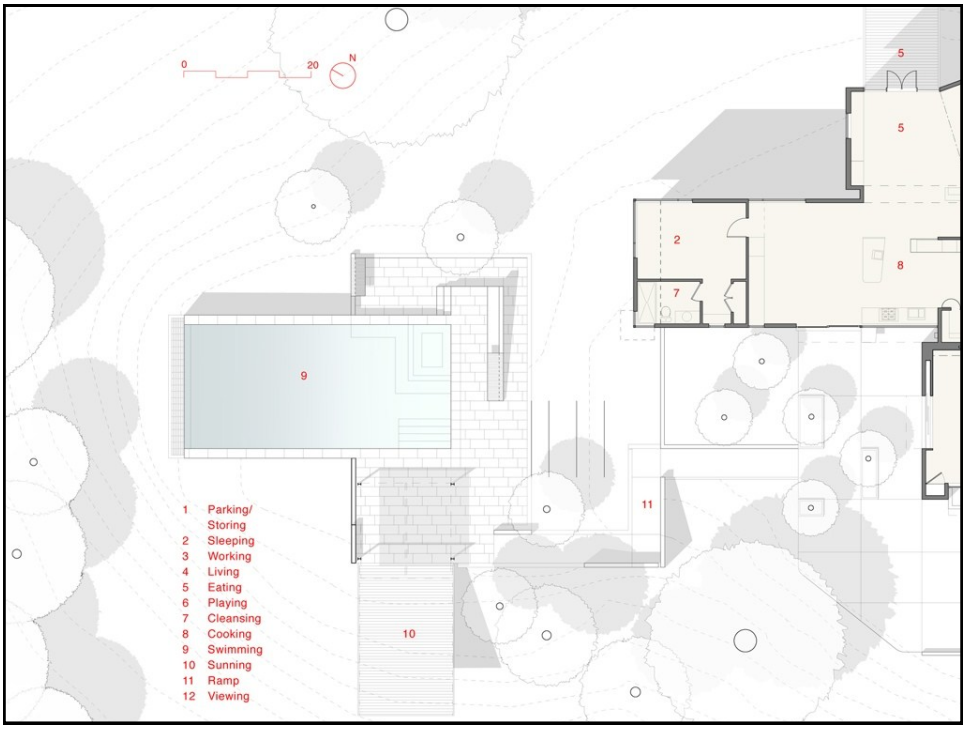









0 5 10 15 20 25 N
DECK
EATING / LOUNGING
SLEEPING
COOKING
SLEEPING
SWIMMING
PLAYING
WORKING
RAMP
SUNNING
PARKING


0
20
N
5
5
2
8
7
9
11
10
1 Parking/ Storing
2 Sleeping
3 Working
4 Living
5 Eating
6 Playing
7 Cleansing
8 Cooking
9 Swimming
10 Sunning
11 Ramp
12 Viewing

Miguel Rivera, AIA, LEED AP
Miro Rivera Architects

Reggie Stump, Architect
ASTIGMATIC Studio

E.B. Min, AIA
Min | Day

Submit a question to the moderator via the Chat box. They will be answered as time allows.

Laura Montllor, AIA
Architect, HomeFreeHome.org
Moderator

Good design
makes a difference™

THE AMERICAN INSTITUTE OF ARCHITECTS

Thank you for joining us!

This concludes the AIA/CES Course #UD12006.

The webinar survey/report form URL is listed in the chat box *and* will be included in the follow-up email sent to you in the next few hours.

Report credit for all attendees at your site by completing the webinar survey/report form within the next 24 hours. You will be prompted to download a certificate of completion at the end of the survey.

Learn about other AIA webinar offerings at http://network.aia.org/events/webinars/.

Good design
makes a difference™

THE AMERICAN
INSTITUTE
OF ARCHITECTS