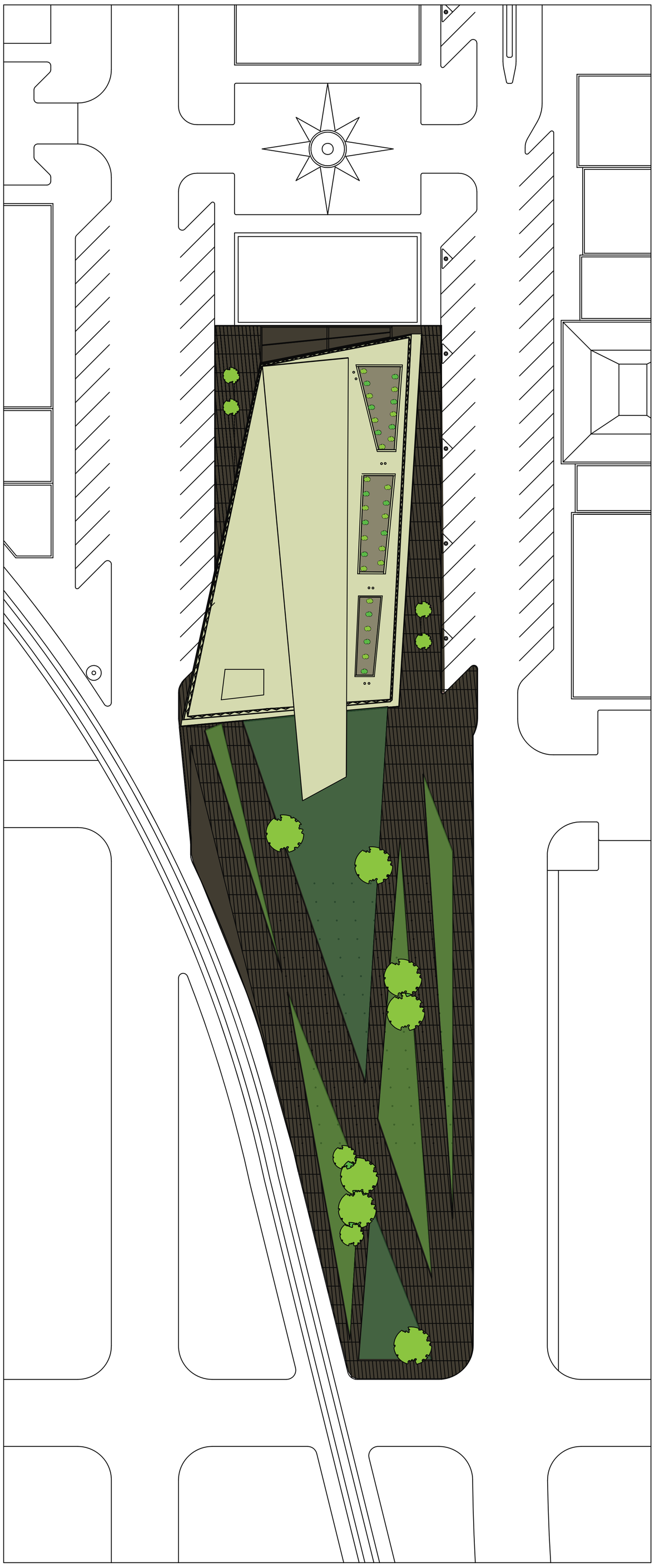
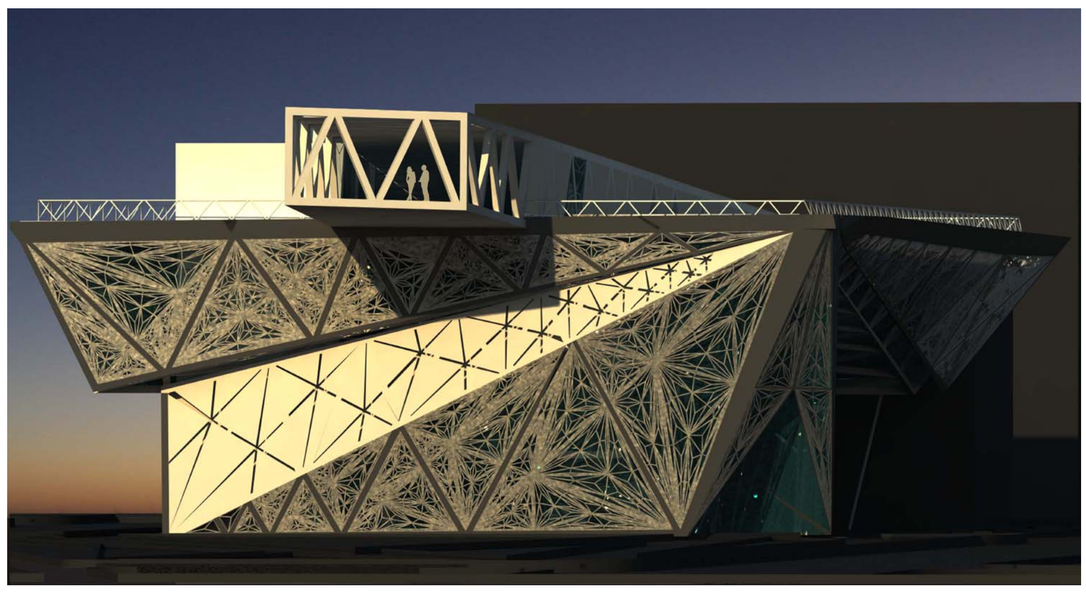
MEDIATHEQUE - GATEWAY PARK

SITE PLAN





The MediaTheque will provide the Bryan/College Station community with a public place to inquire print, digital, music, and film media.

It also provides a special collection of periodicals and other public spaces for the community.

The Gateway Park will enlarge the enviornment and atomosphere of Downtown Bryan through social and formal events for the community and visitors.

Mediatheque

BRYAN, TEXAS

SCALE: 1/32" = 1'

AMI KERN
COURTNEY TYREE

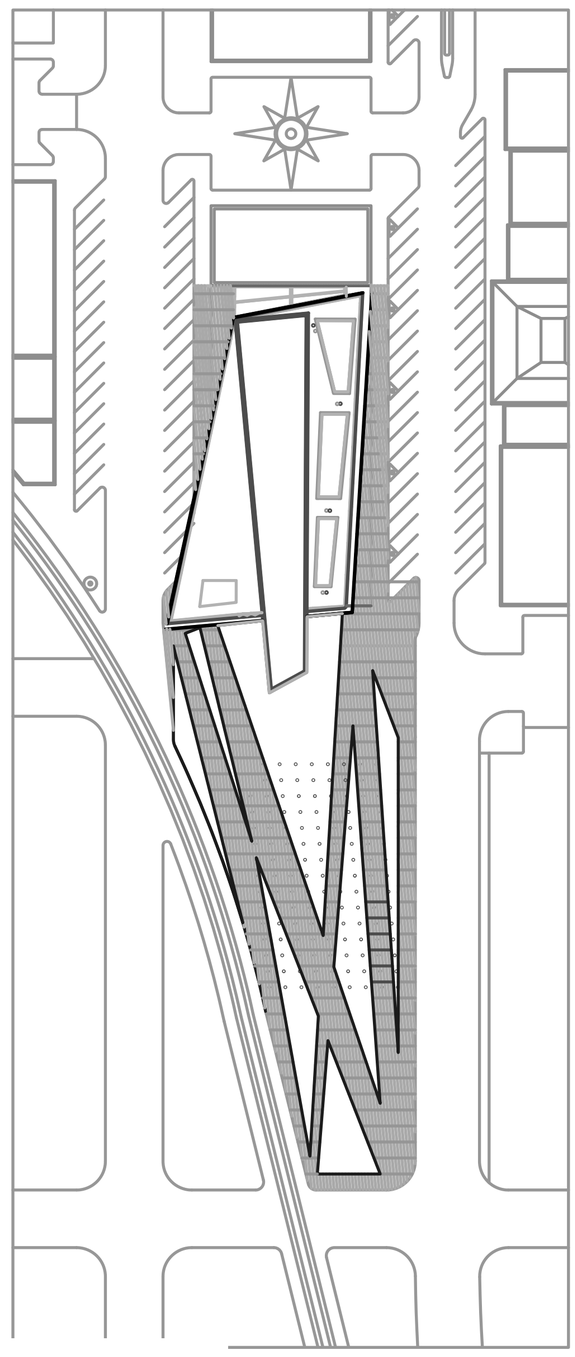
CONCEPT

REGULATING LINES

site interaction

using intersecting
and perpendicular lines
through repitition and rotation
to create each concept model
in plan and section

regulating lines have
been a major influence
in defining space and
in structure



East Elevation

INSPIRATION/INFLUENCES

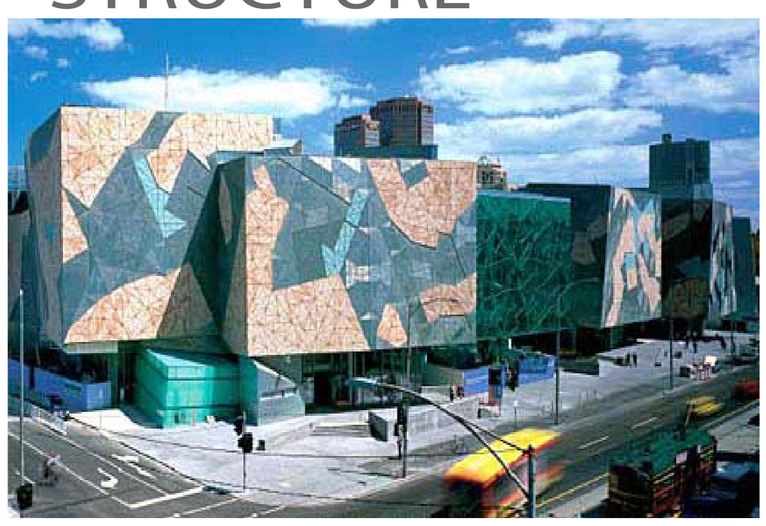
CRYSTALS

geometry
aesthetics
effect

similar to regulating lines:

molecules
oriented in different
directions in a well
ordered domain

STRUCTURE

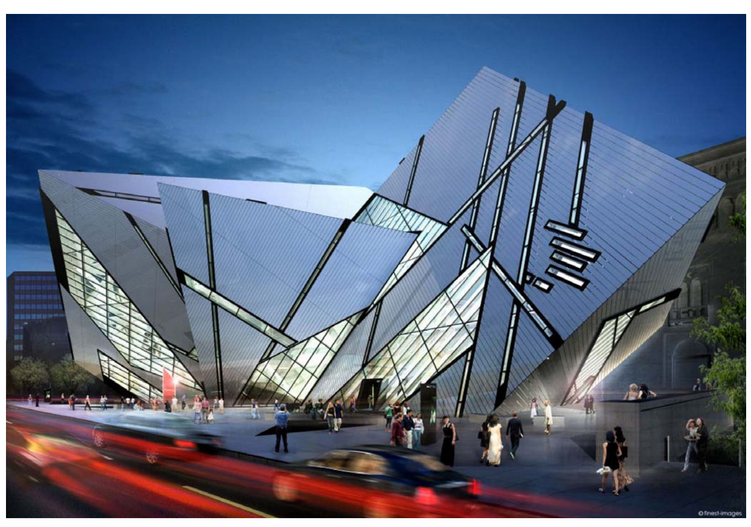


material
material use
construction

***Interoperability**
form to surface

cladding:
Conway Pinwheel Grid

A lab Architects



celebration of structure
cladding dimenstrates
important lines
of structure

light of crystal:
protruding through
skin

Daniel Libeskind

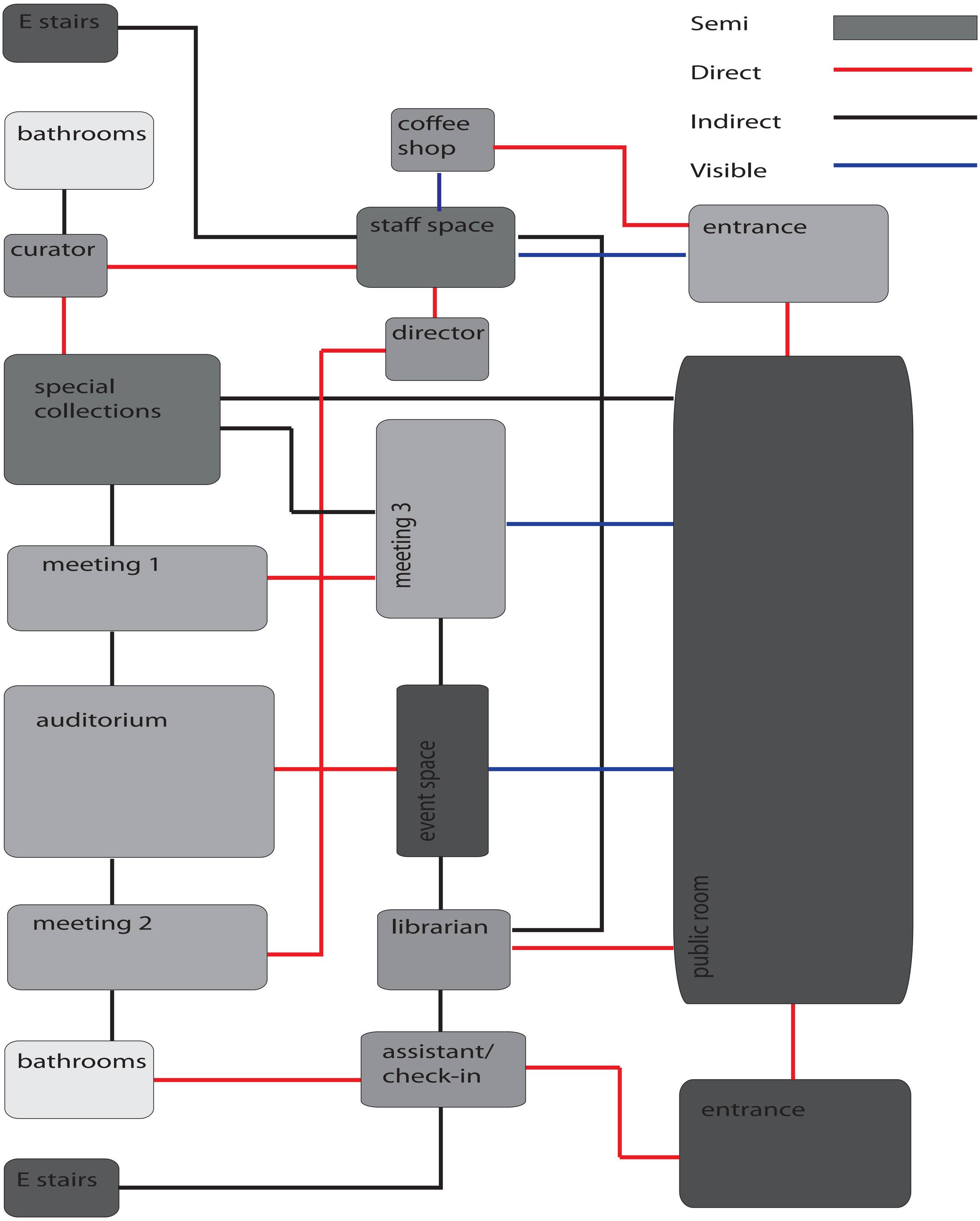
Mediatheque

BRYAN, TEXAS

AMI KERN
COURTNEY TYREE

PROGRAM

PROGRAM RELATIONSHIPS



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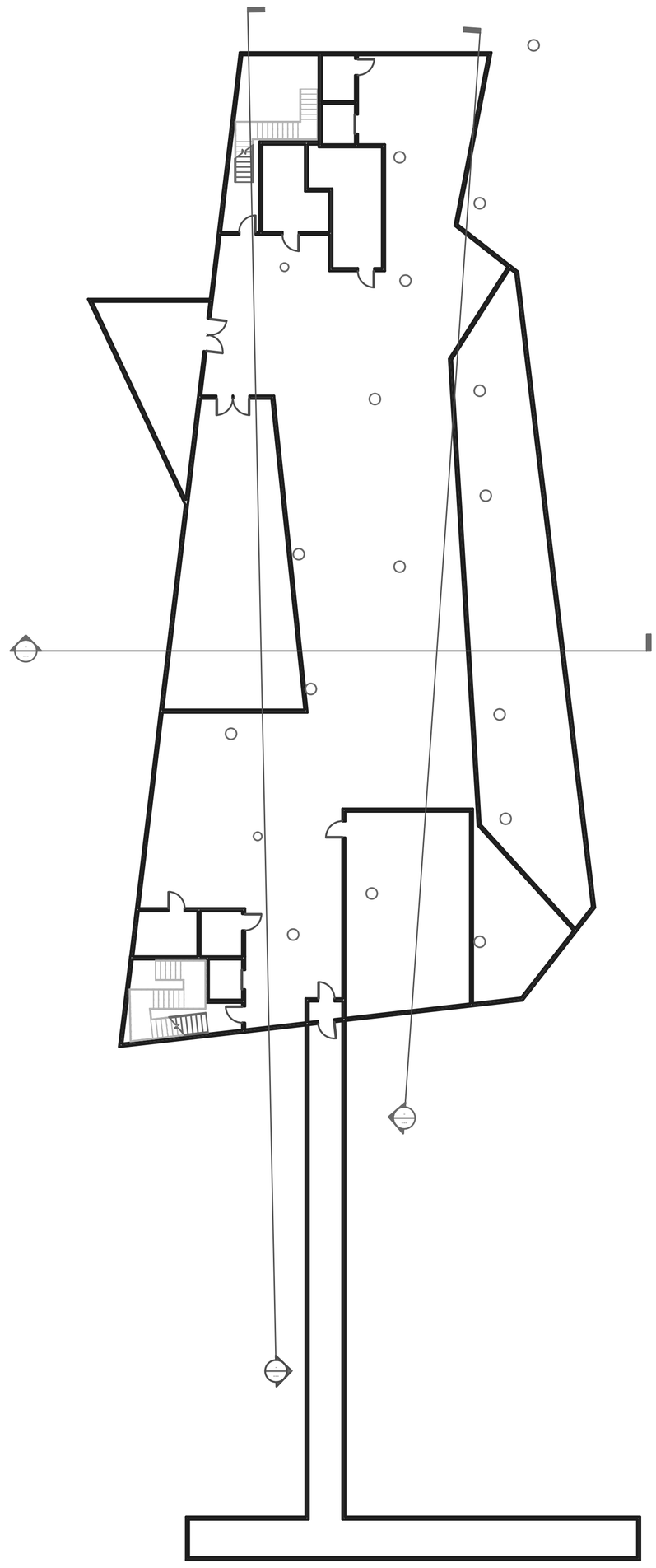
Basement Plan



MEDIATHEQUE

BRYAN, TEXAS

SCALE: 1/16” = 1’

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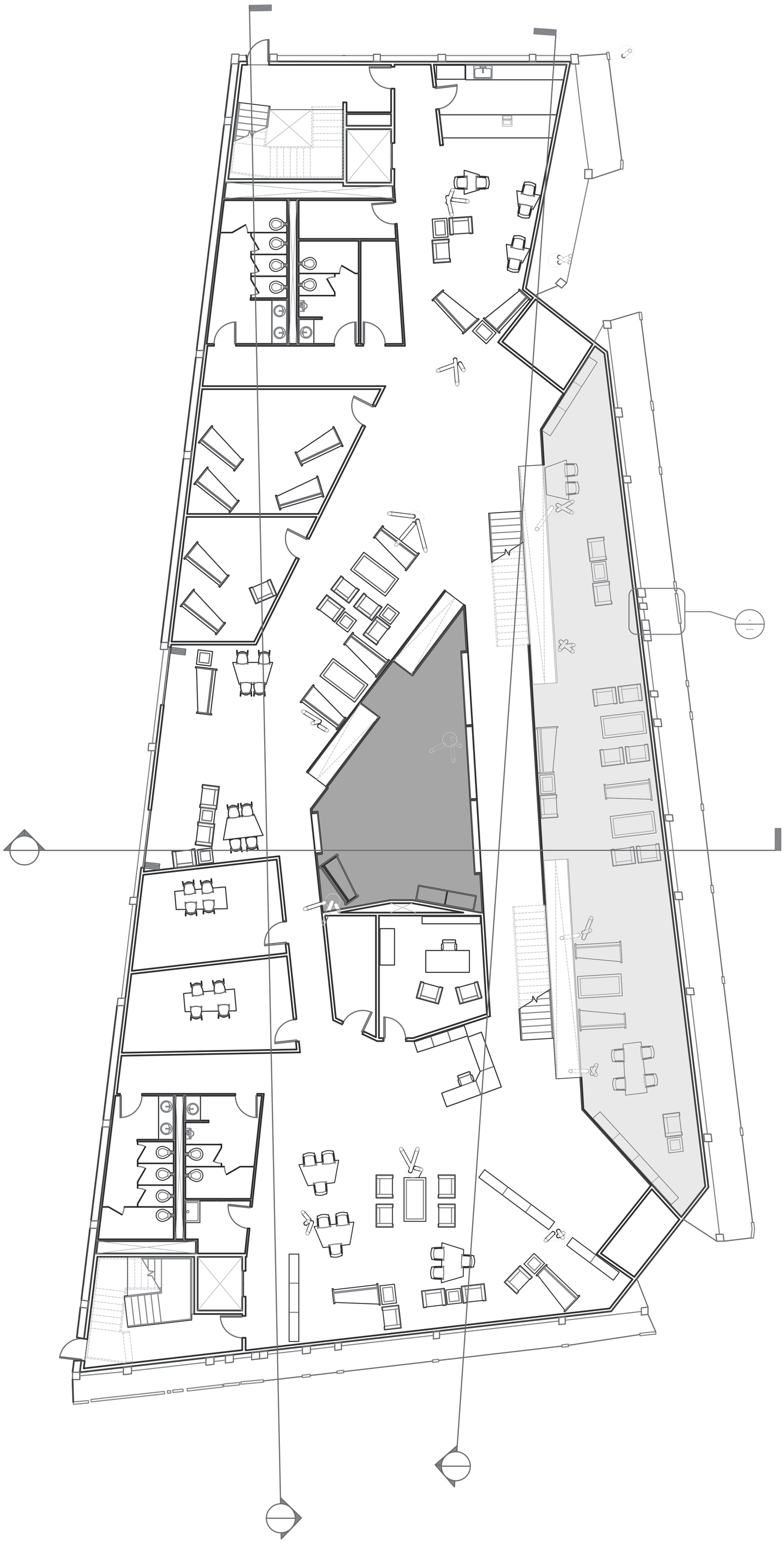
COURTNEY TYREE

Level 1 Plan



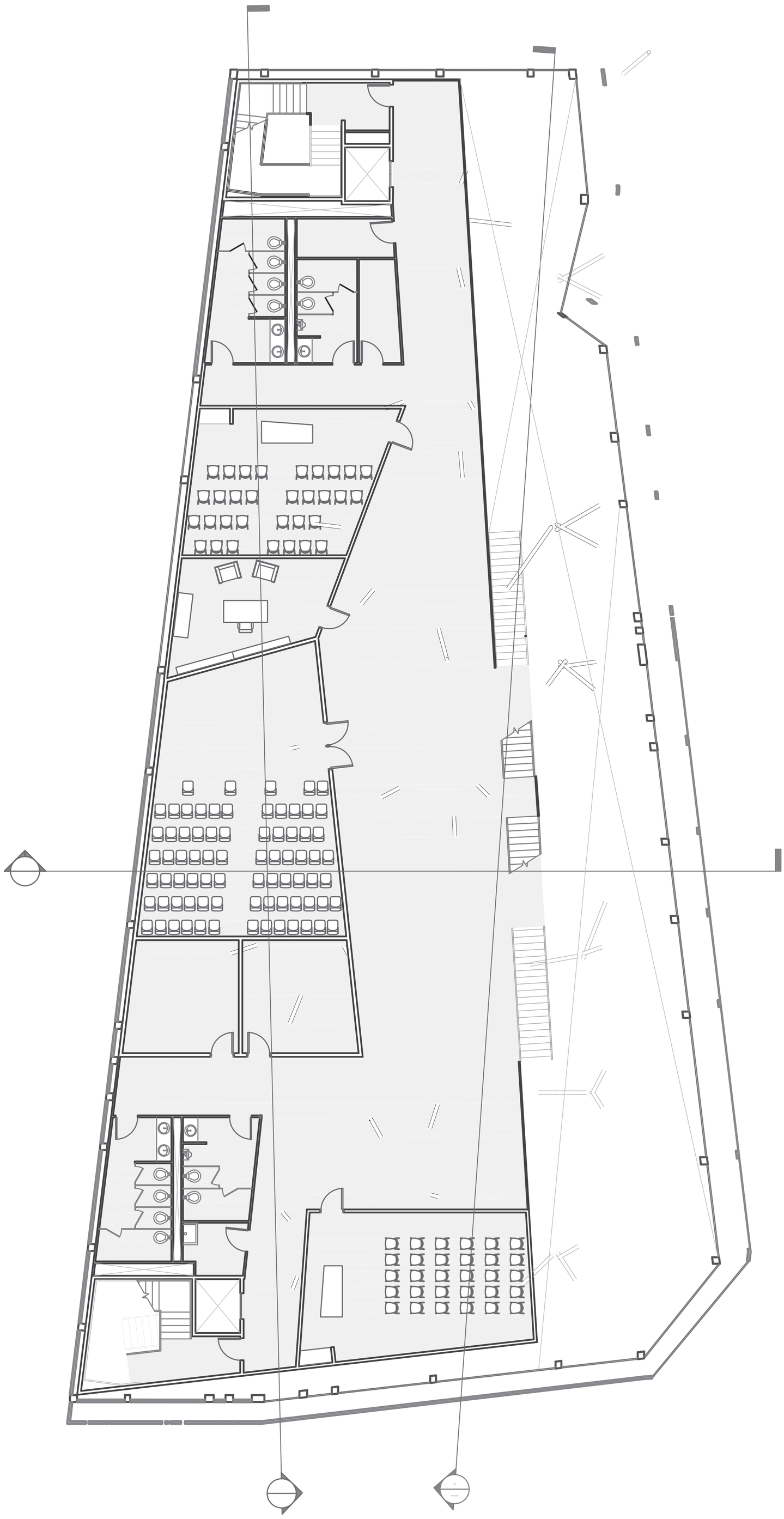
MEDIATHEQUE

BRYAN, TEXAS

SCALE: 1/8” = 1’

AMI KERN
COURTNEY TYREE

Level 2 Plan



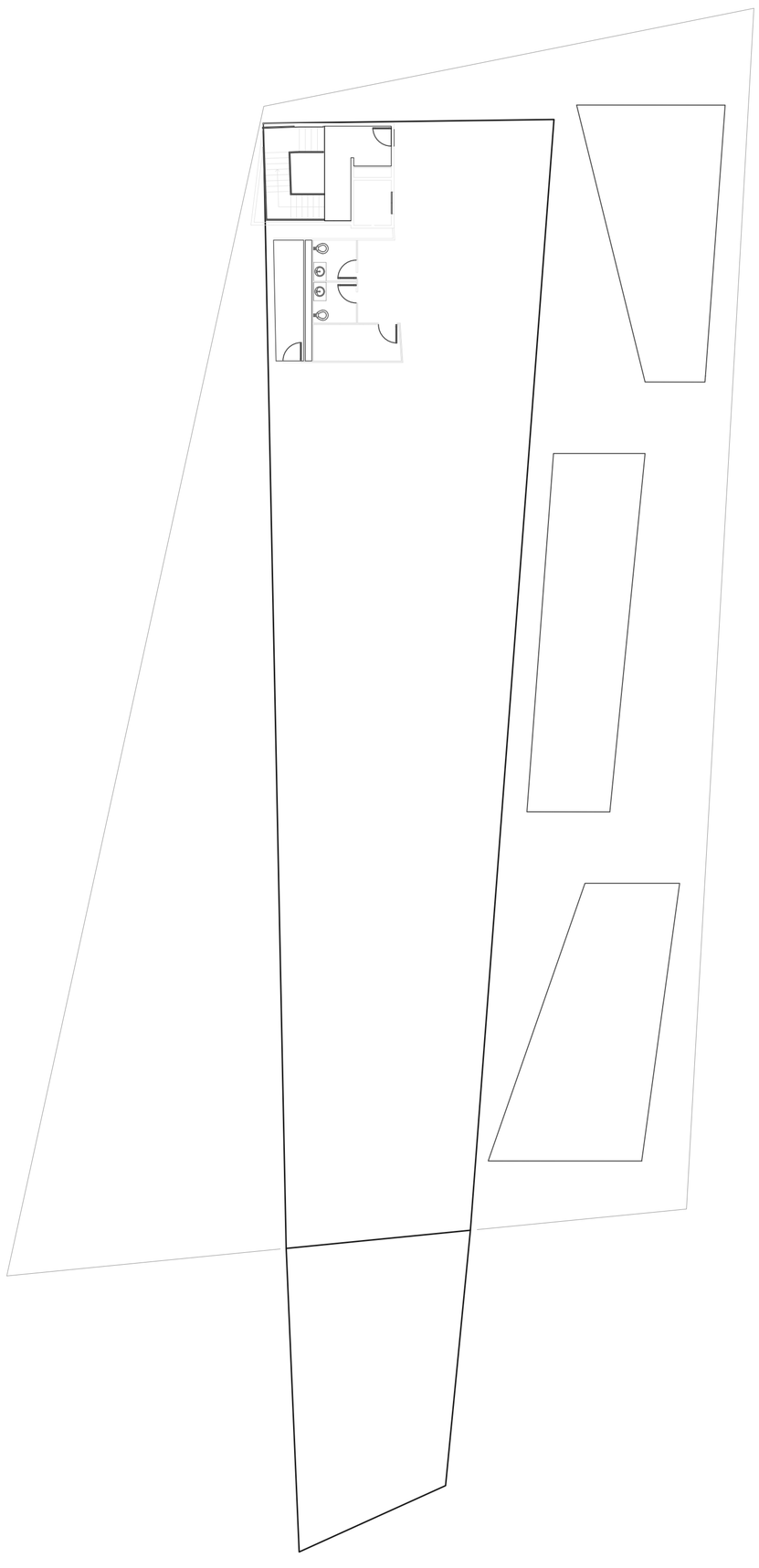
MEDIATHEQUE

BRYAN, TEXAS

SCALE: 1/8” = 1’

AMI KERN
COURTNEY TYREE

Fourth & Roof Plan



MEDIATHEQUE

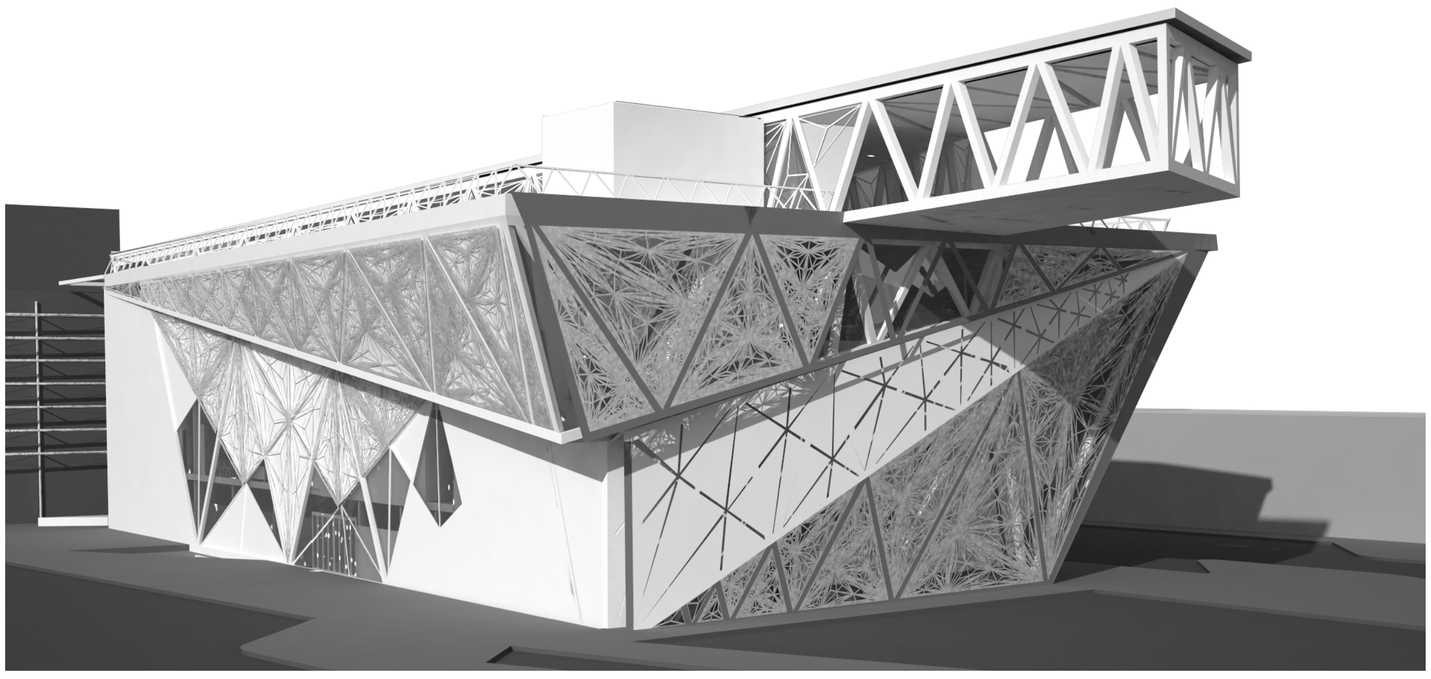
BRYAN, TEXAS

SCALE: 1/16” = 1’

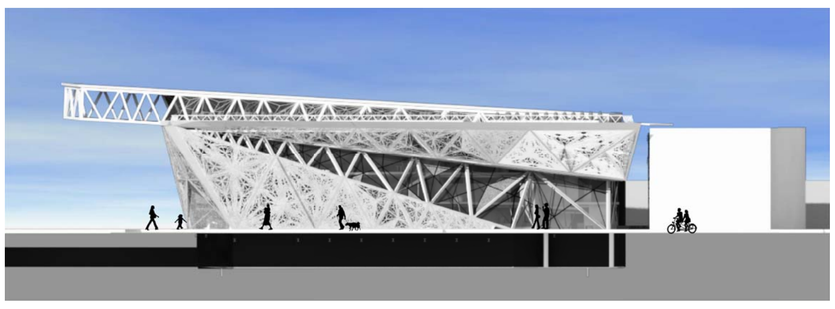
AMI KERN
COURTNEY TYREE

EXTERIOR/INTERIOR RENDERINGS

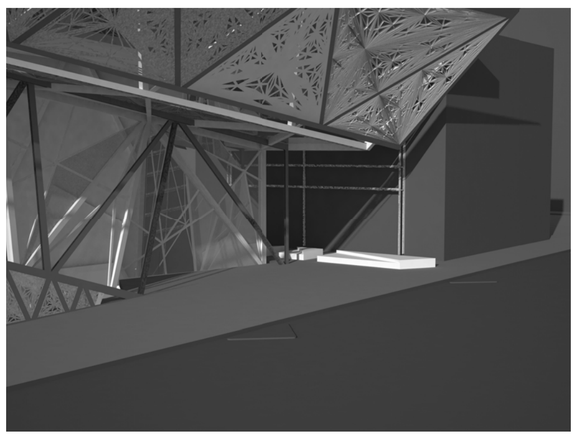
SOUTH WEST CORNER



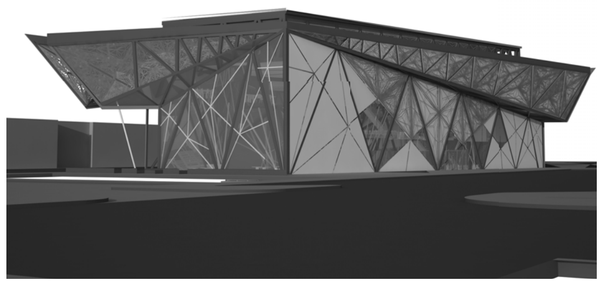
EAST ELEVATION

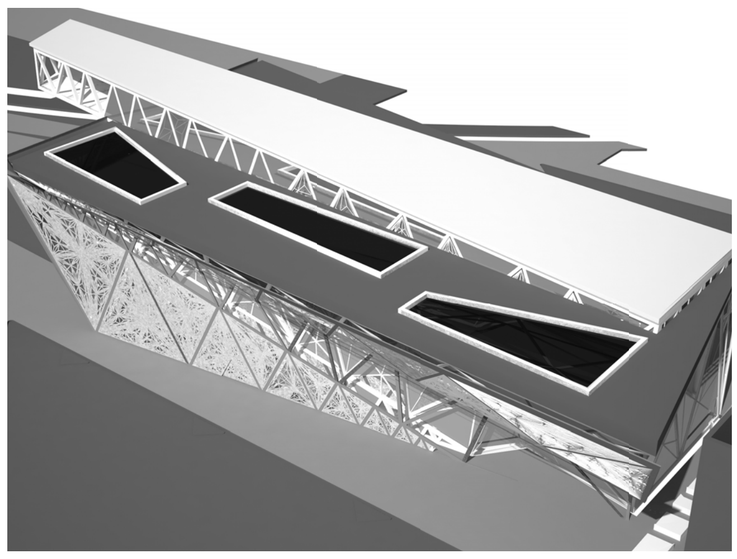


NORTH ENTRANCE

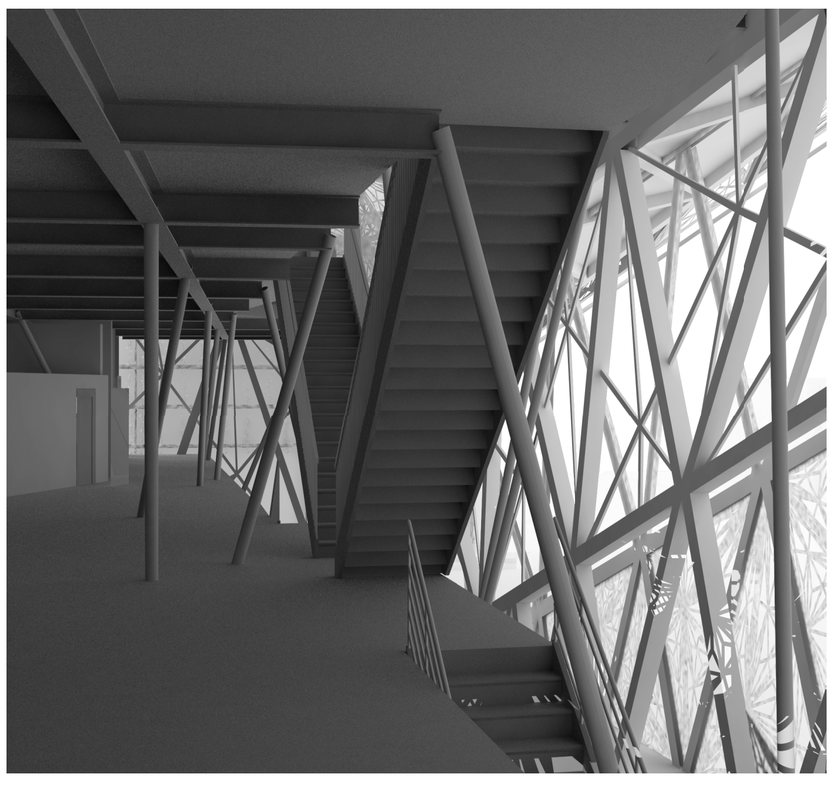


NORTH VIEW





ALLEY WAY



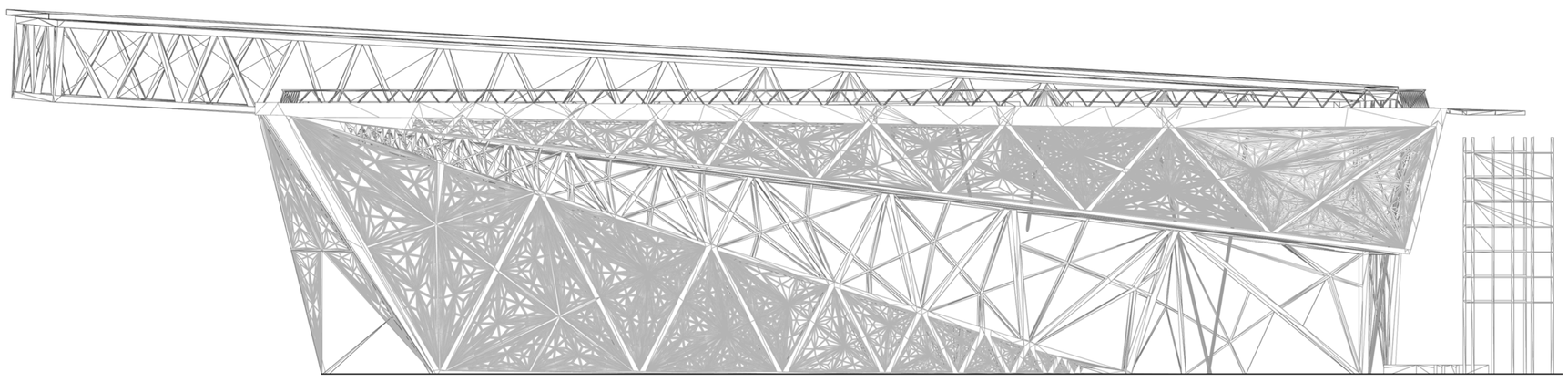
Mediatheque

BRYAN, TEXAS

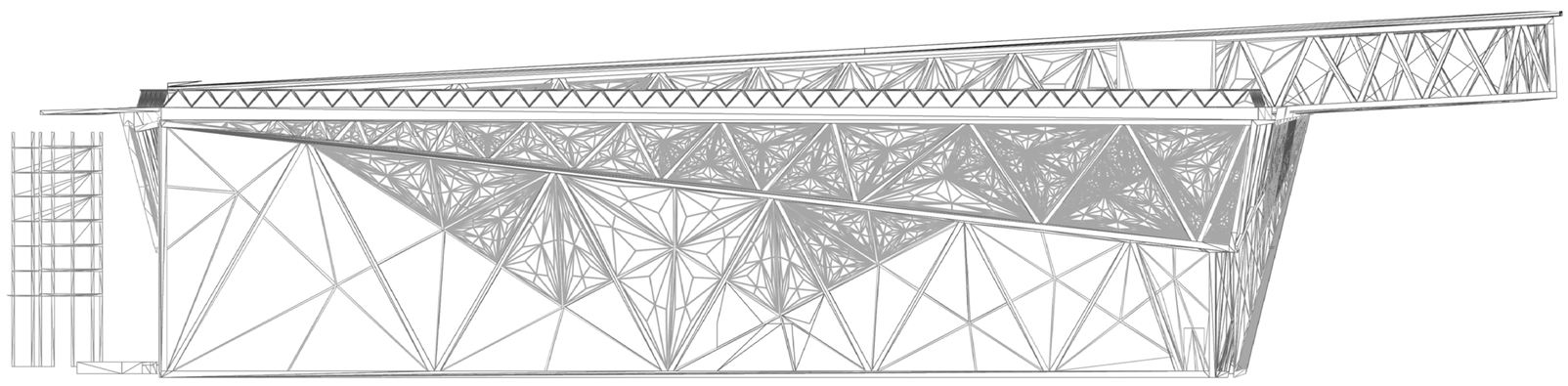
AMI KERN
COURTNEY TYREE

ELEVATIONS/SECTIONS

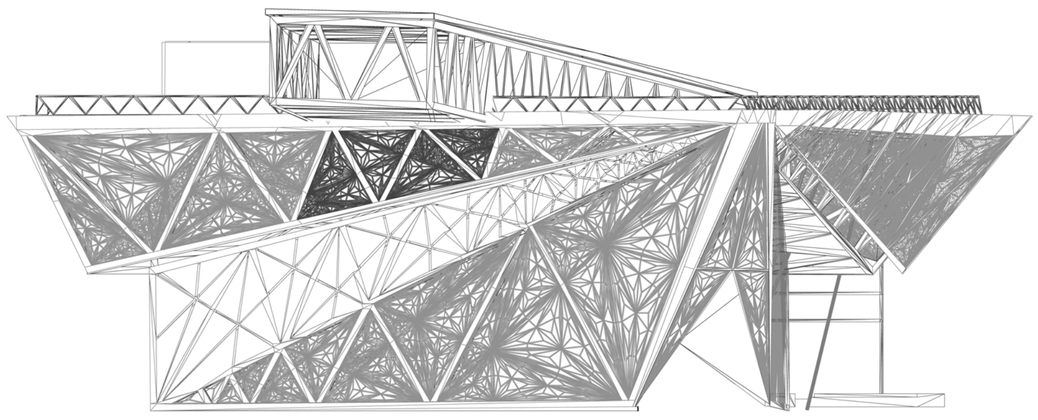
EAST ELEVATION SCALE 1/16" = 1'



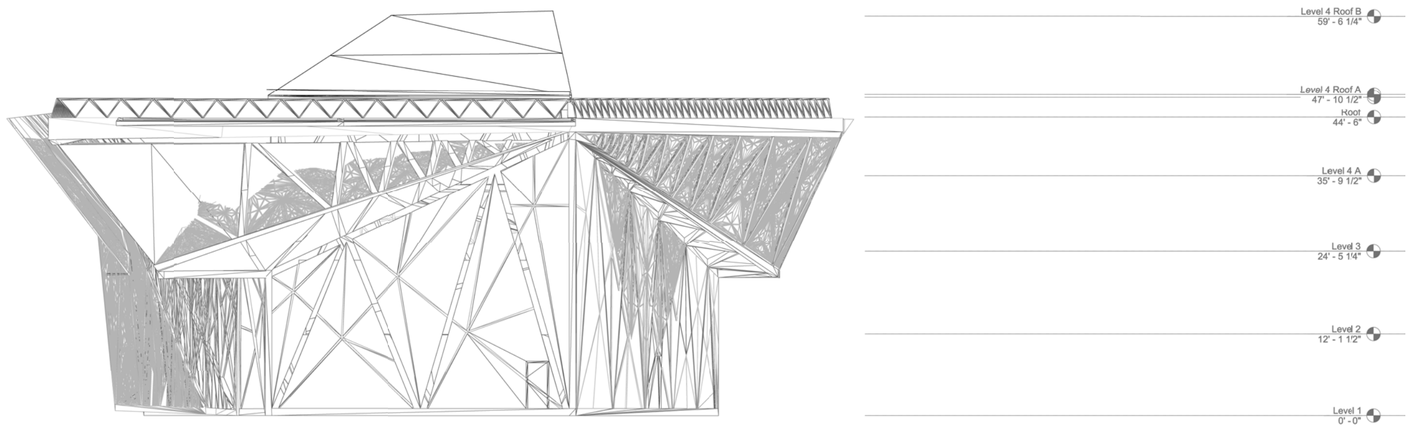
WEST ELEVATION

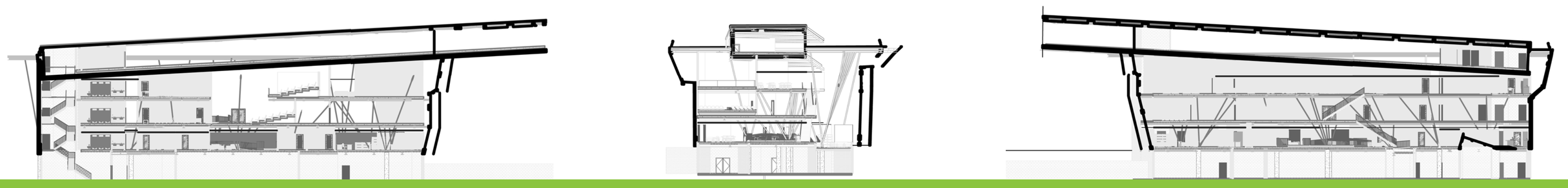


SOUTH ELEVATION



NORTH ELEVATION





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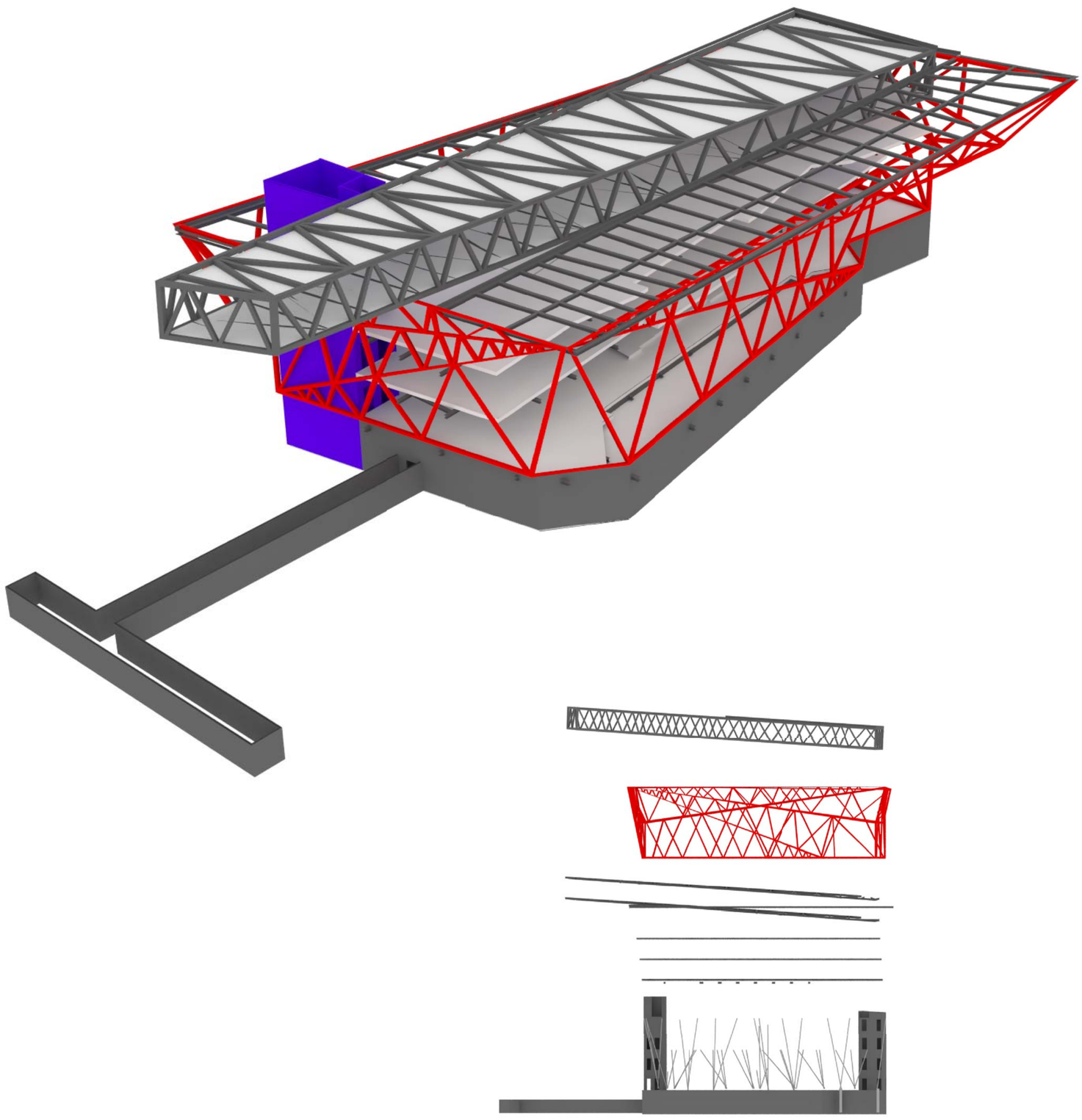
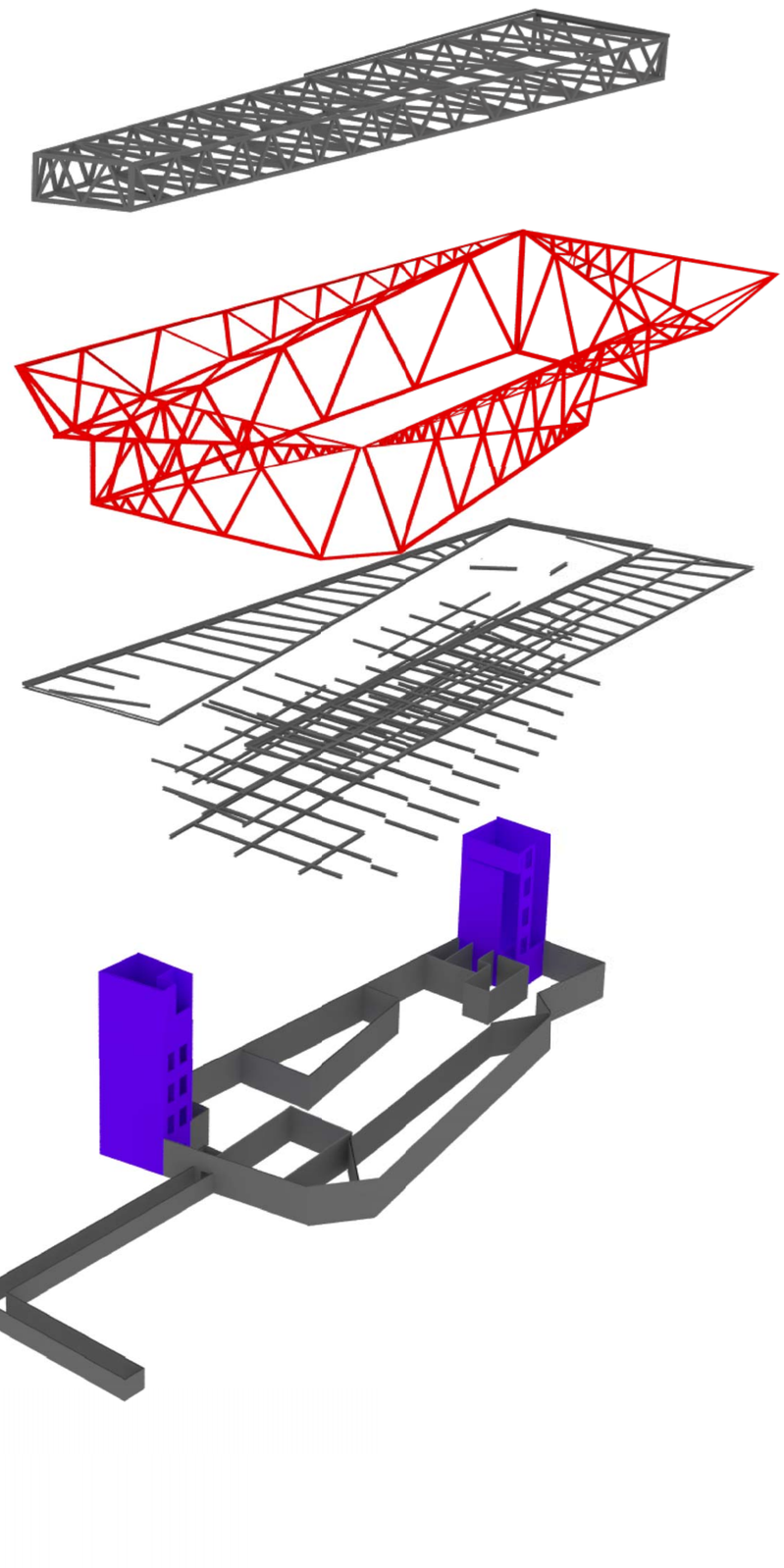
SCALE 1/32" = 1'

AMI KERN
COURTNEY TYREE

STRUCTURE CONCEPT

AXONOMETRIC

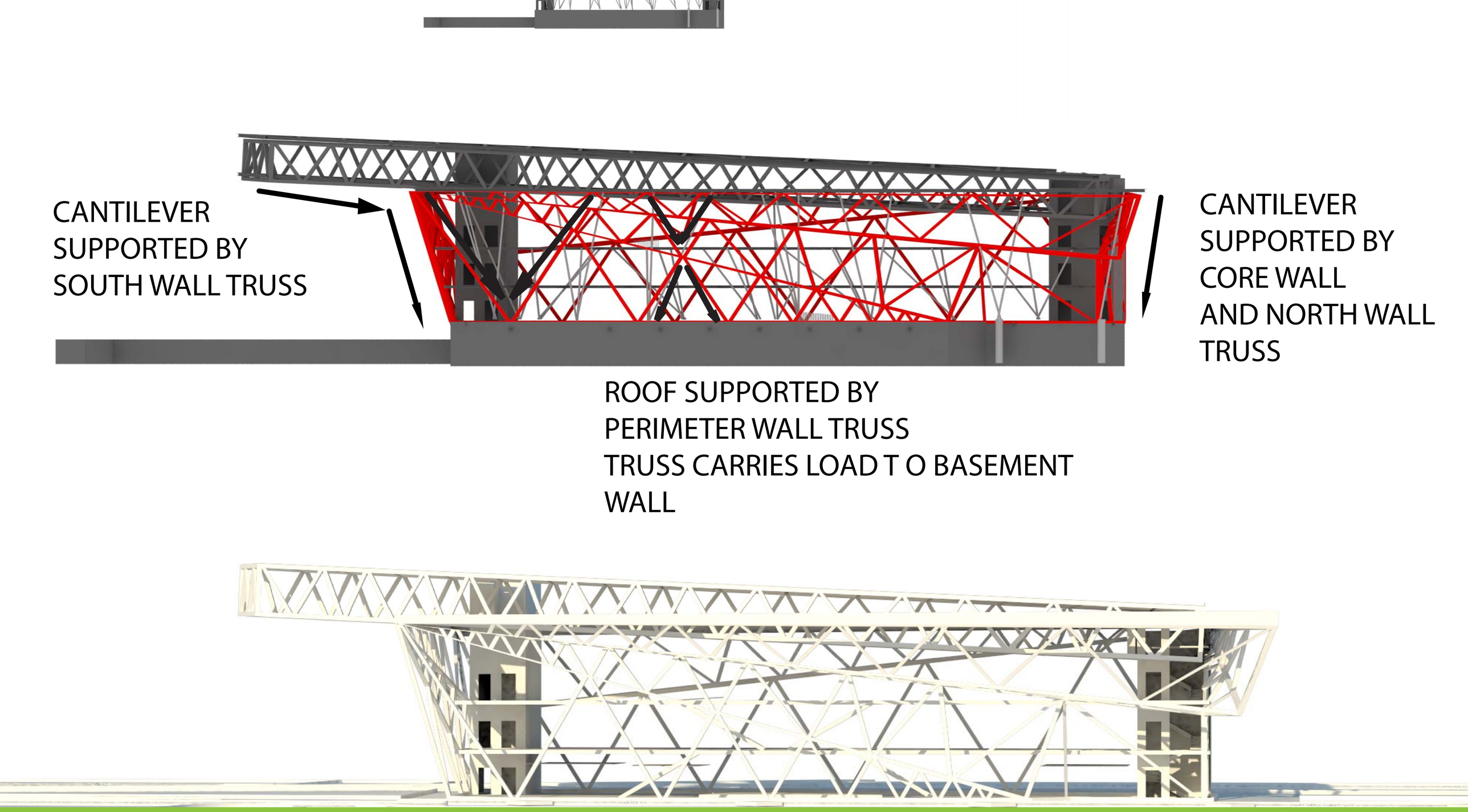




CANTILEVER
SUPPORTED BY
SOUTH WALL TRUSS

CANTILEVER
SUPPORTED BY
CORE WALL
AND NORTH WALL
TRUSS

ROOF SUPPORTED BY
PERIMETER WALL TRUSS
TRUSS CARRIES LOAD T O BASEMENT
WALL

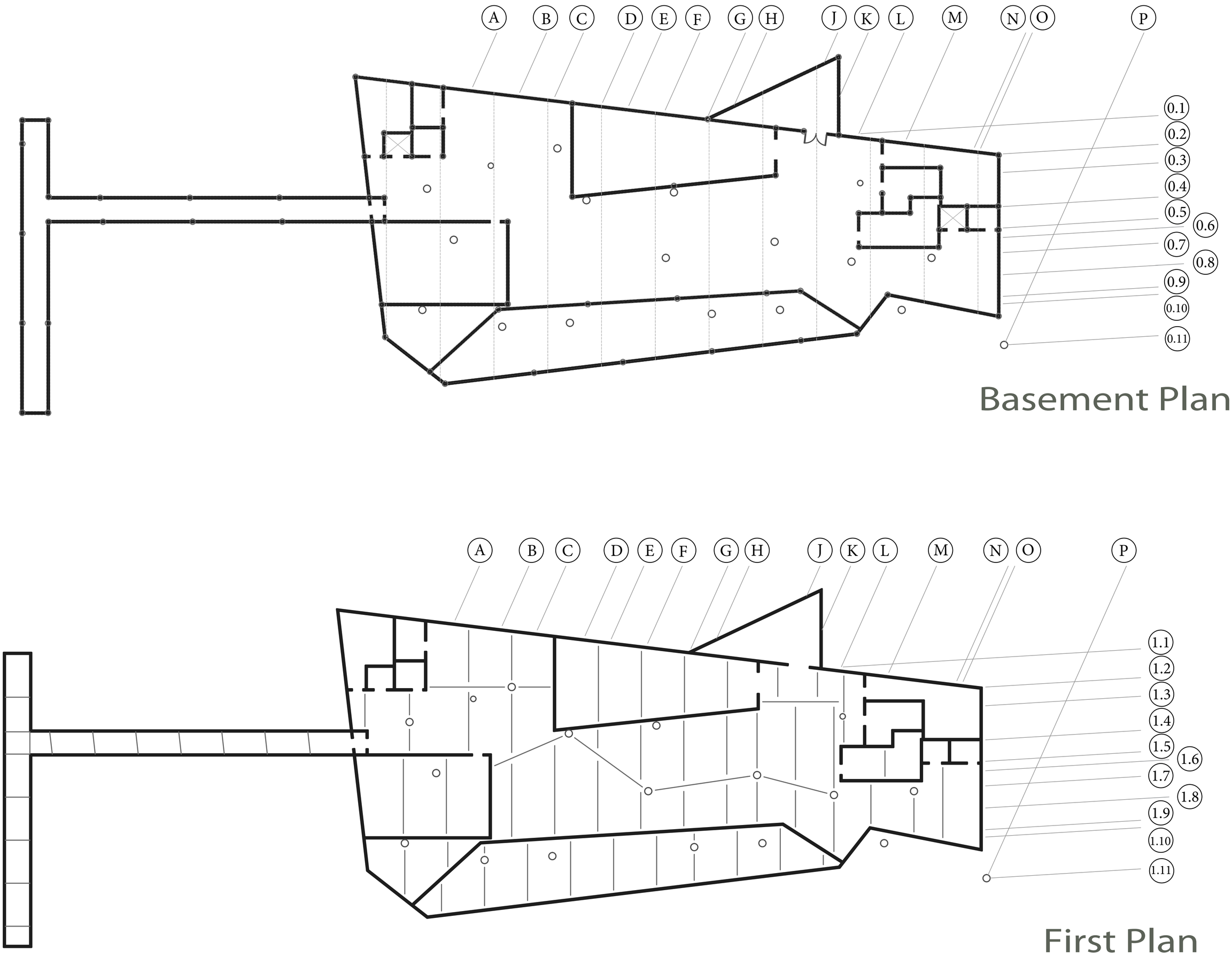


Mediatheque

BRYAN, TEXAS

AMI KERN
COURTNEY TYREE

Framing Plan



Basement Plan

First Plan

Second Plan

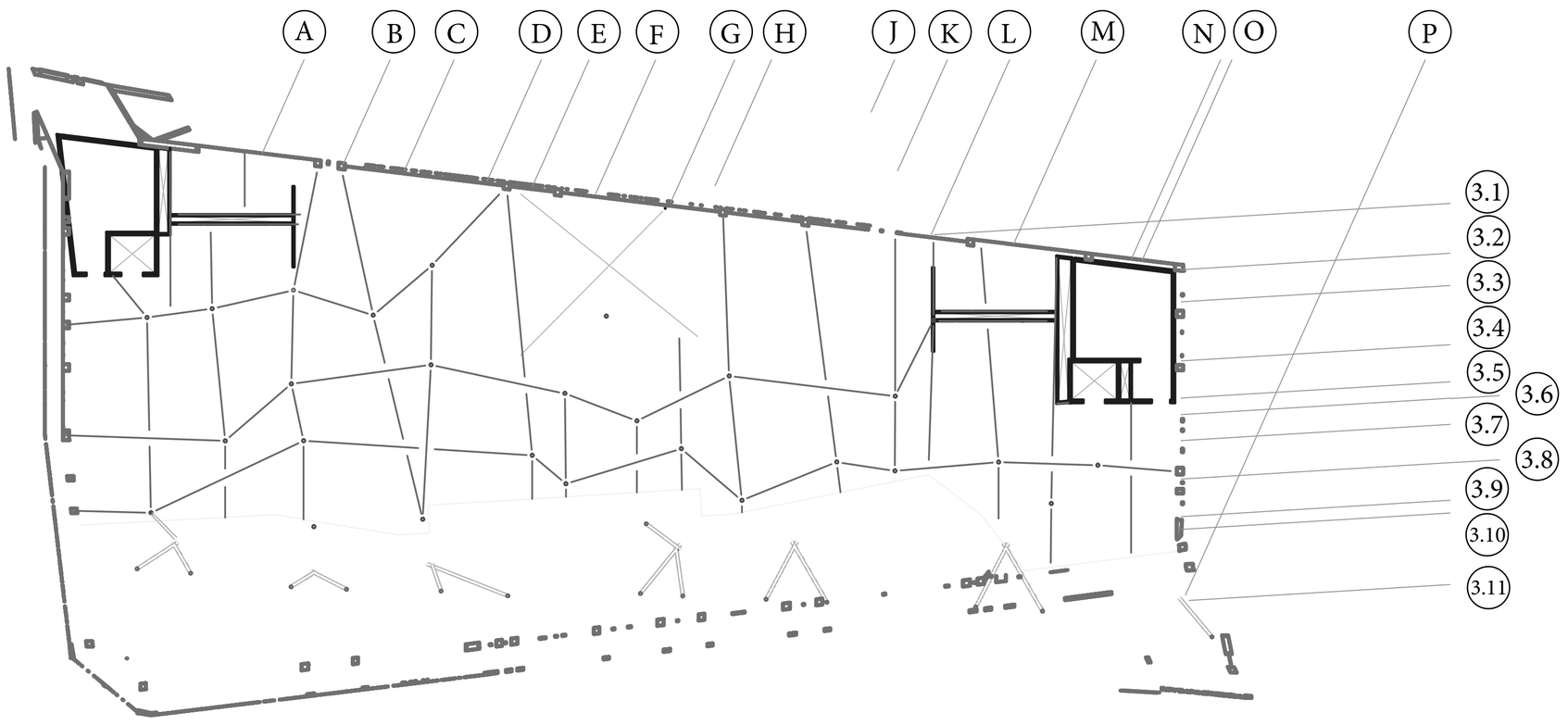
MEDIATHEQUE

BRYAN, TEXAS

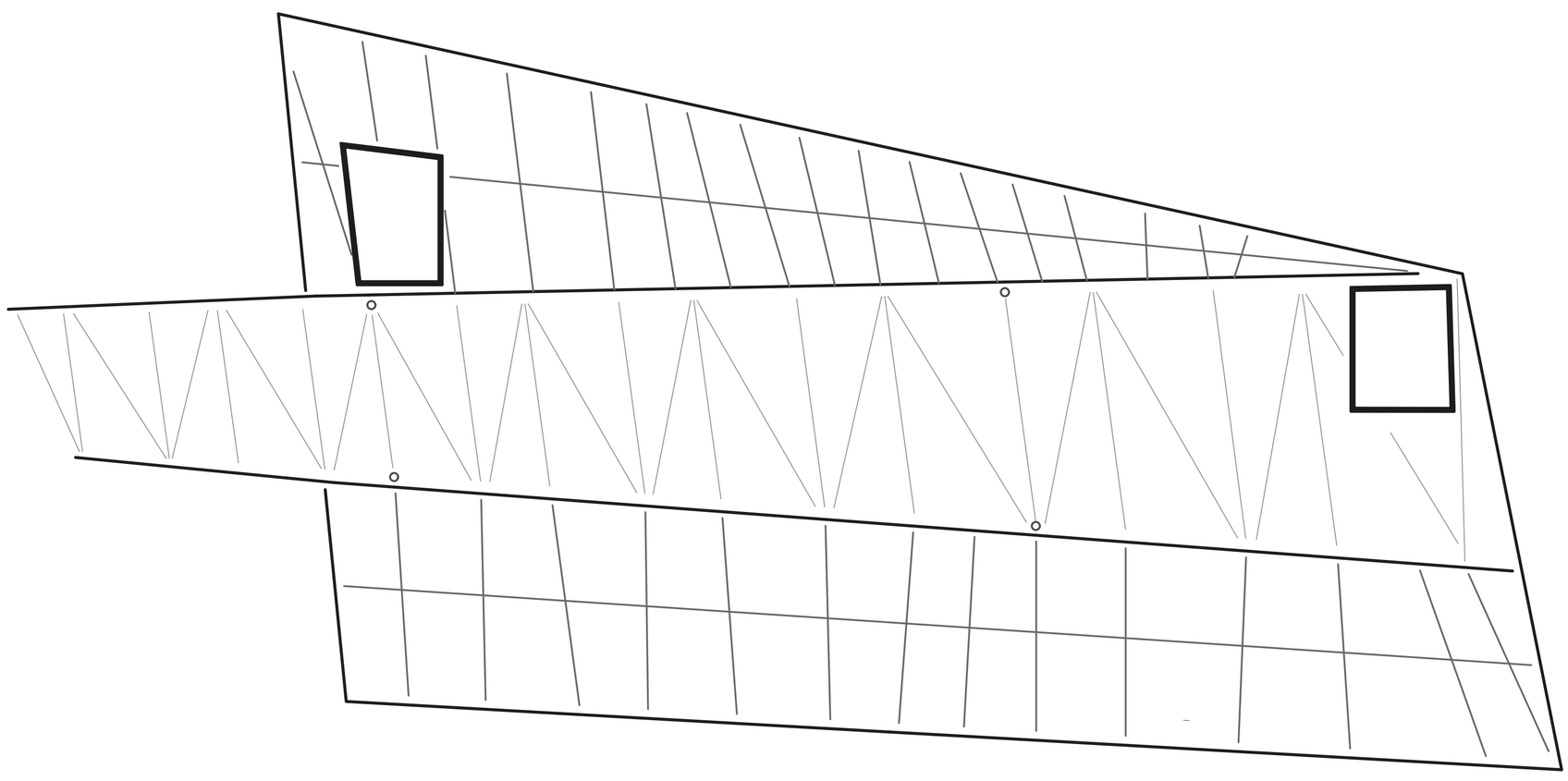
SCALE: 1/16" = 1'

AMI KERN
COURTNEY TYREE

Framing Plan



Third Level



Fourth Level & Roof

MEDIATHEQUE

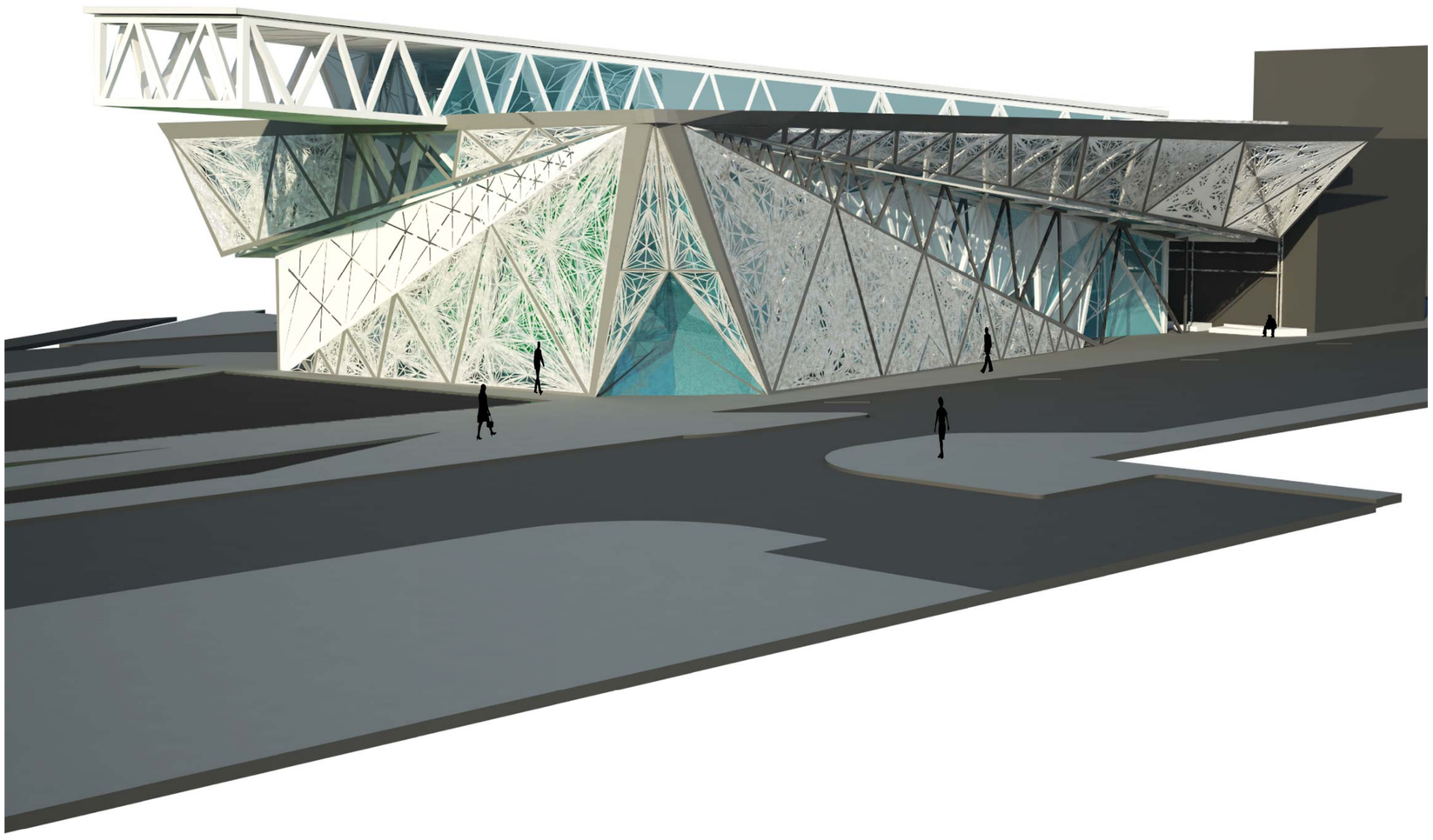
BRYAN, TEXAS

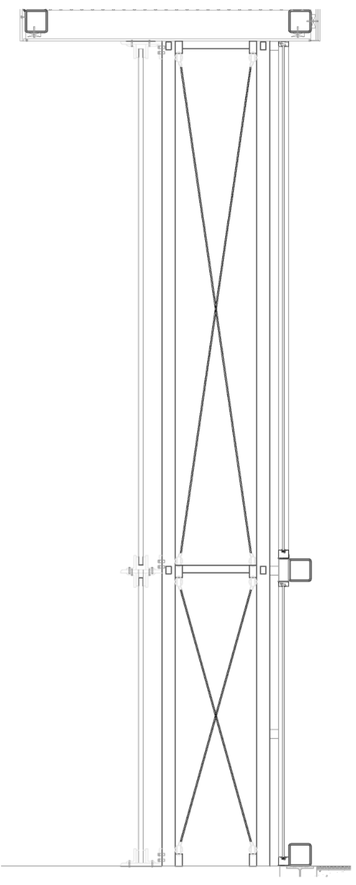
SCALE: 1/16" = 1'

AMI KERN
COURTNEY TYREE

CLADDING SYSTEM

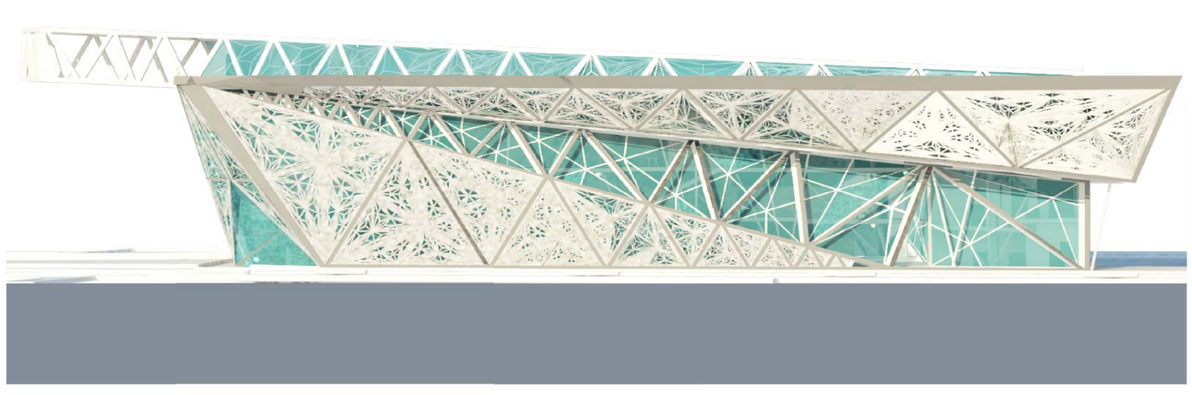
AXONOMETRIC





SCALE 1/4" = 1'

MATERIAL PROGRESSION



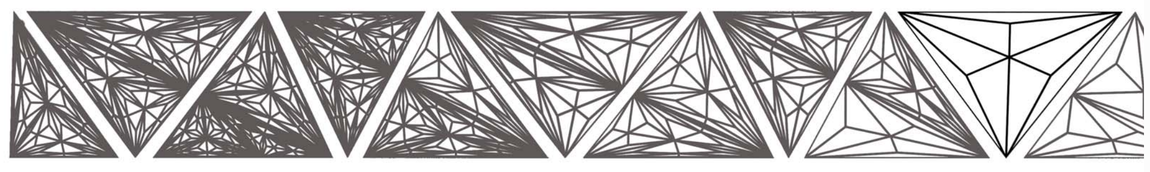
Stand stone - mimicks truss wall structure

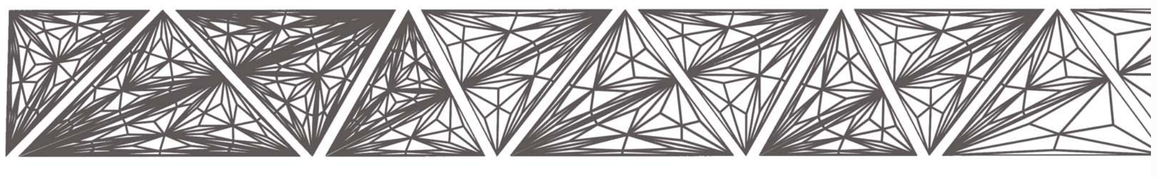
Glass - East and North Facade

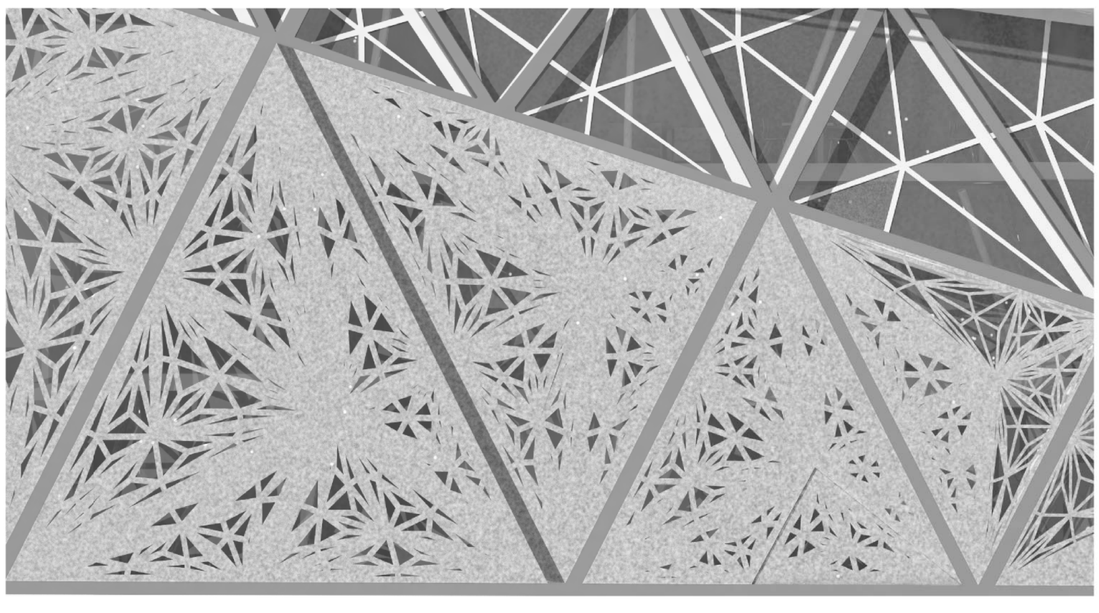
Perforated Stainless Steel Screen -
shading device

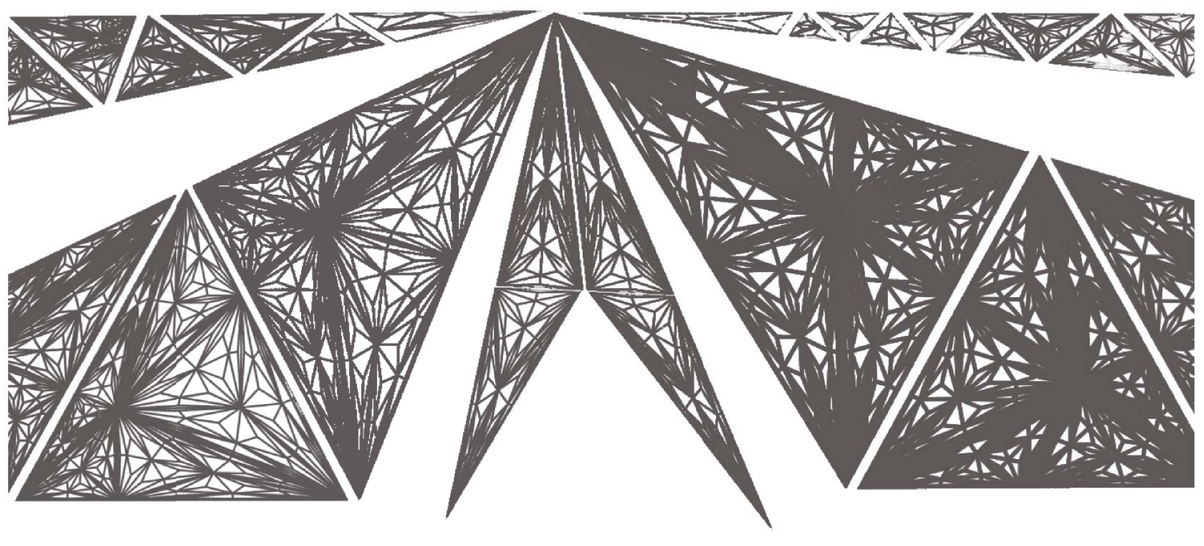
Screen design derived from liquid crystal effect.
Liquid Crystals have spin dimensionality which is a continuous pinwheel varying in orientation through molecules, atoms, and ions that have interacting centers.

Perforated in levels of subdivision
Progression from level 1 to level 4.









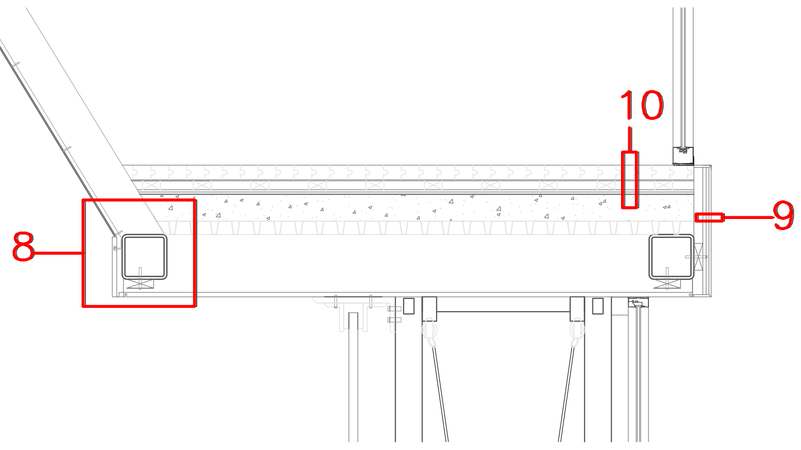
Mediatheque

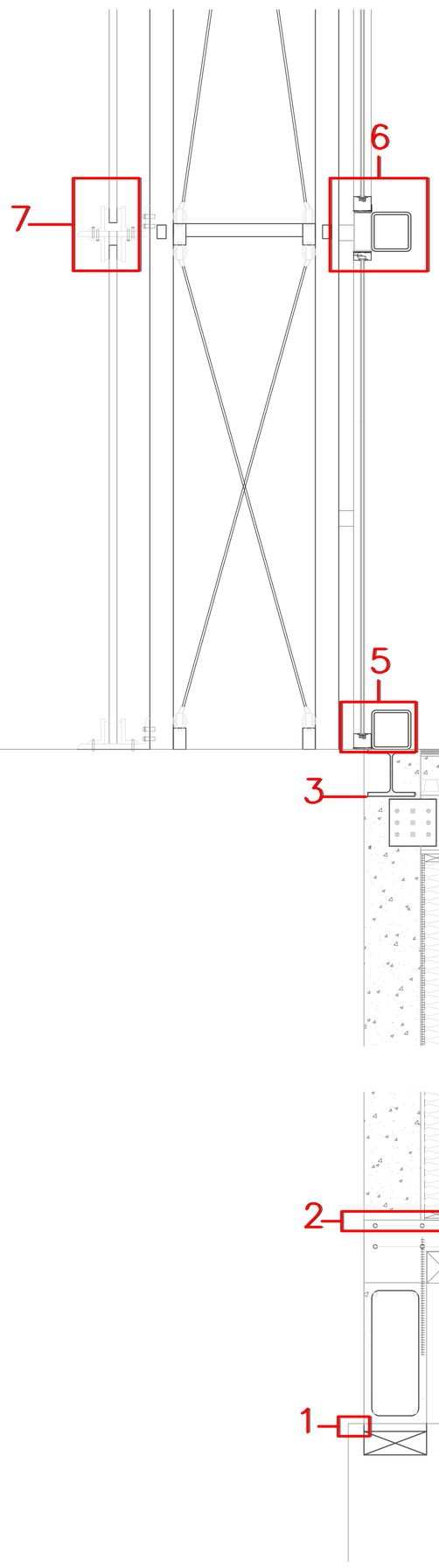
BRYAN, TEXAS

AMI KERN
COURTNEY TYREE

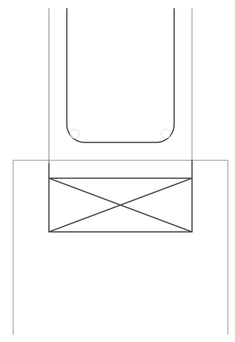
DETAILS

WALL SECTION A



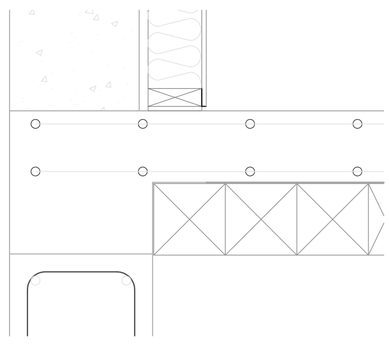


1 36" concrete grade beam
steel reinforcing
6" carton form
concrete foundation pile



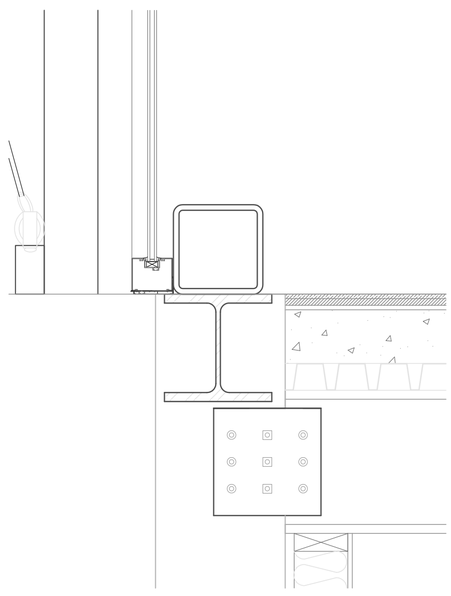
2 16" concrete basement wall
R19 batt insulation
5/8" gypsum board
8" concrete slab

3 W 12-65 steel beam embedded into concrete

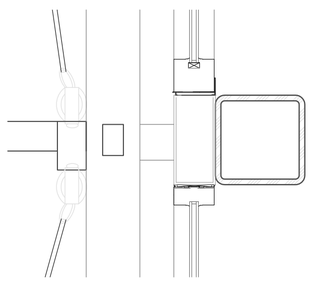


4 1/2" cork floor
3/4" plywood
5/8" gypsum board
6" one way concrete slab

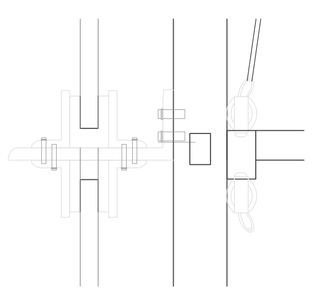
5 aluminum mullion
4" stainless steel tube
4 5/8" steel frame



6 10" stainless steel tube - truss



7 2" x 2" x 1/2" steel angles
2" x 2" steel cladding fastner
20' x 1" stone panel
8" x 4" x 1" steel angle bolted
1/4" screen bolted to steel tube
4" steel tube



GATEWAY

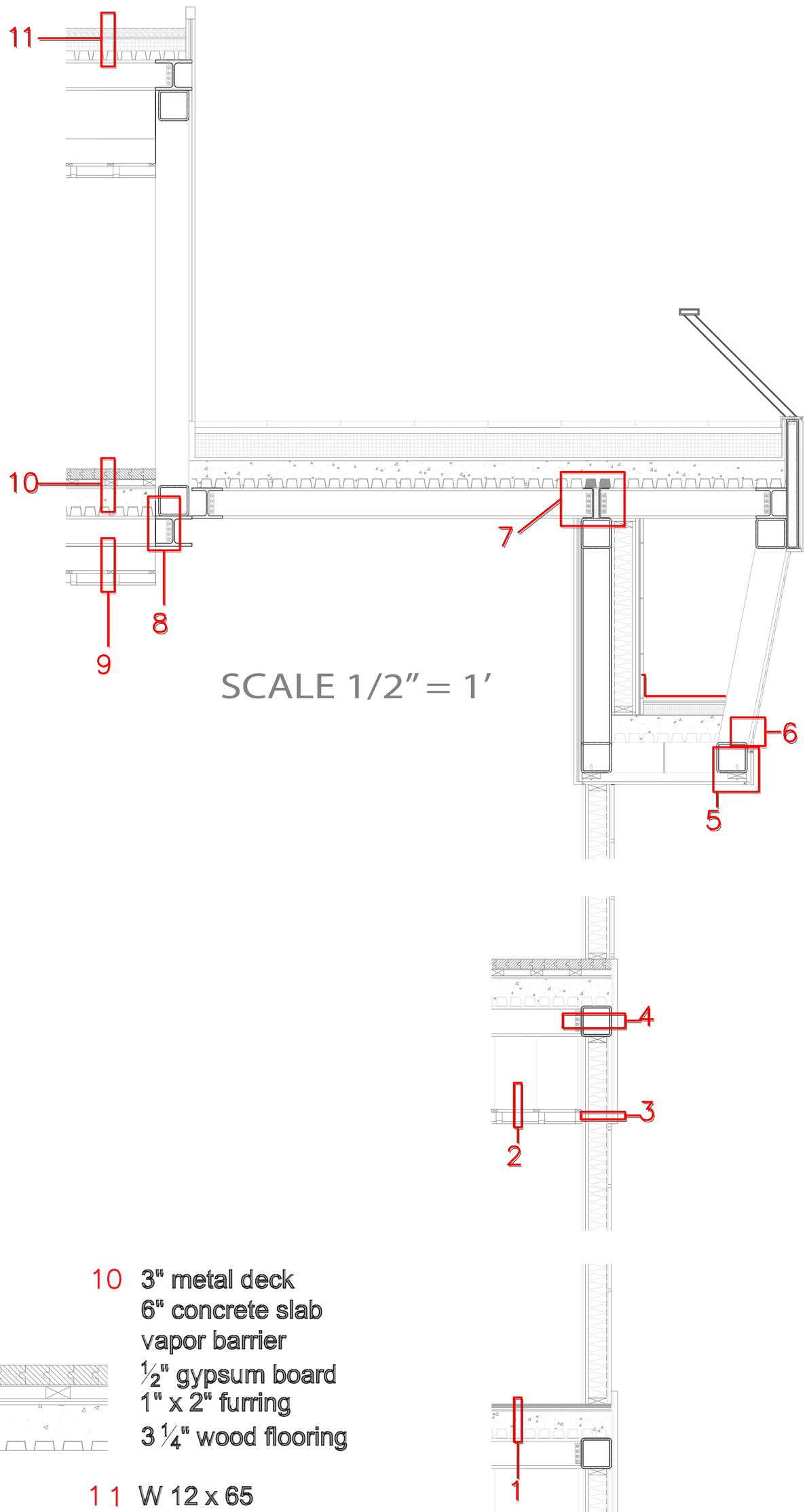
BRYAN, TEXAS

SCALE: 1/2" = 1'

AMI KERN
COURTNEY TYREE

STRUCTURE

WALL SECTION B



SCALE 1/2" = 1'

1 2ND FLOOR CONSTRUCTION:
½" cork floor
¾" plywood
⅝" gypsum board
6" one way concrete slab
W10 - 49

2 3RD FLOOR CONSTRUCTION
2" suspended perforated metal ceiling tiles
1" x 2" wood furring
Suspended Space: 8" electrical spacing
16" square duct space

3 1" sand stone panel
1/2" gypsum sheathing
5 1/2" metal stud
5/8" gypsum board
1/2" plaster

4 1" sand stone panel
1/2 " gypsum sheathing
HSS10 steel tube
W10 -49 flange bolted to steel tube

5 1" sand stone panel
steel plate support
welded rod
1" x 1" x ½" steel angle
HSS10 steel tube truss

6 ¼" stainless steel screen
HSS10 steel tube truss

7 W 10 - 49 steel - exterior
10" x ½" channel
2" styrofoam
10" x ½"channel
W 10- 49 steel - interior
3" metal deck with foam plugs

8 4TH FLOOR CONSTRUCTION:
W 12 X 65
HSS10 vertical steel truss

9 2" suspended ceiling tiles
1" x 2" furring
8" electrical space
16" duct space
W 12 x 65

10 3" metal deck
6" concrete slab
vapor barrier
½" gypsum board
1" x 2" furring
3 ¼" wood flooring

11 W 12 x 65
3" metal deck
R 26 rigid board insulation
½" cement board
3" aggregate

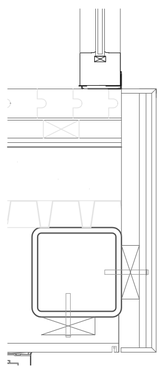
GATEWAY

BRYAN, TEXAS

SCALE: 1" = 1'

AMI KERN
COURTNEY TYREE

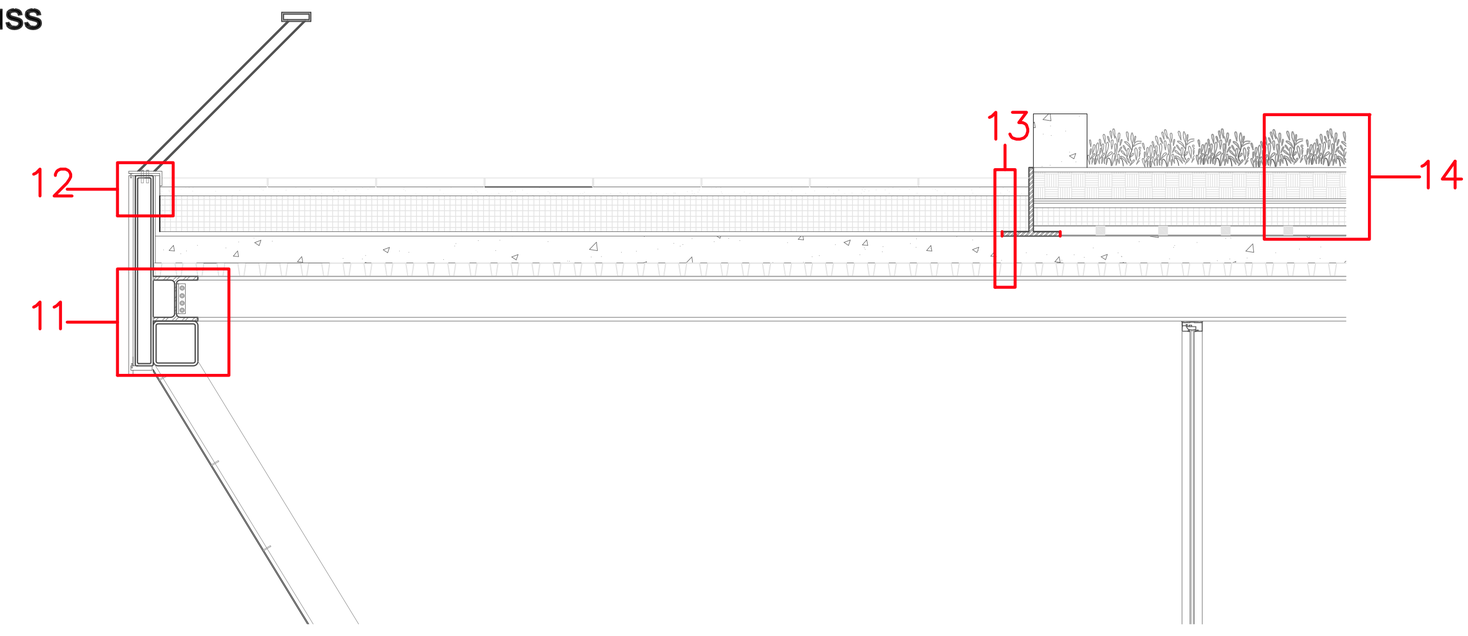
STRUCTURE AND DETAILS

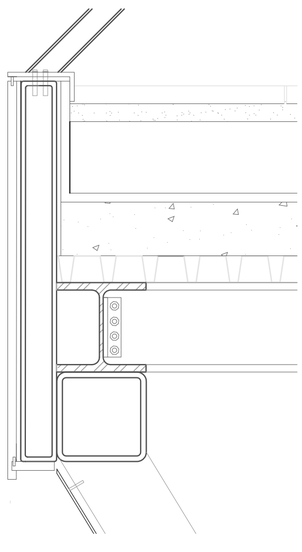


8 1" sand stone panel
10" stainless steel tube - truss
2" x 6" blocking

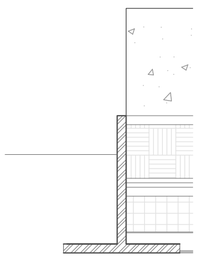
DETAIL A

SCALE: 1/2" = 1'

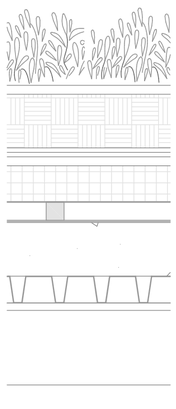




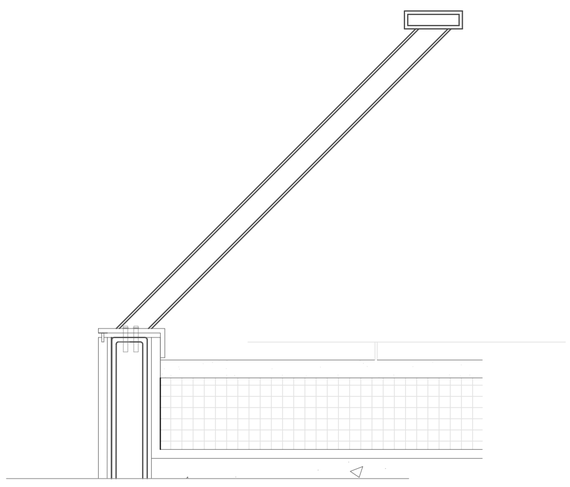
9 3/4" plywood
5/8" gypsum board
1/2 " plaster



10 3 3/4" wood floor
1" x 2" sleepers
6" one way concrete slab



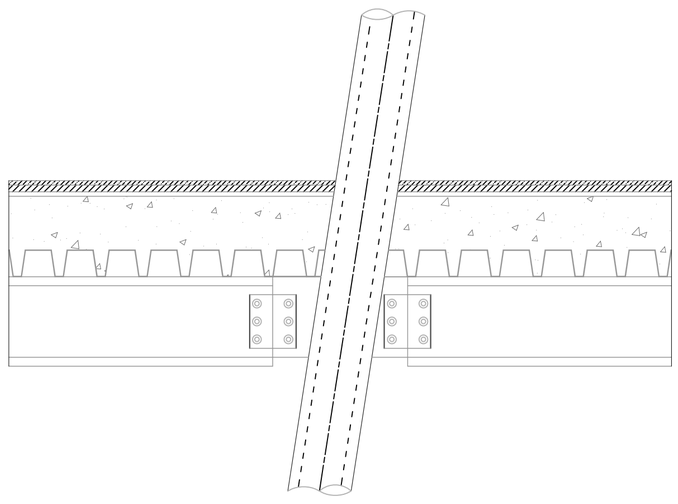
14 appropriate vegetation
1" geotextile mat
engineering soil
drainage retention
4" rigid insulation
root barrier
RT 250
poly - felt 125



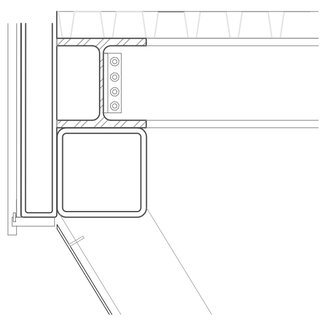
11 1" sand stone panel
1/2" gypsum sheathing
HSS4 stainless steel tube
W10 -49 steel roof beam

DETAIL B - column to beam

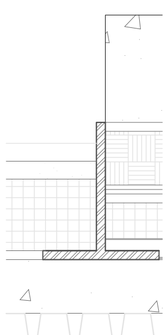
SCALE: 1" = 1'



HSS6 round steel column
1/2" cork flooring
5/8" gypsum board
3/4" plywood
6" concrete slab
3" metal deck
W10 - 49
*steel angles bolted and welded
to column and web of beam



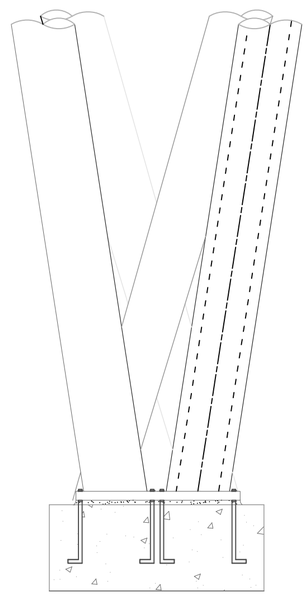
12 1" stone roof panel
HSS4 stainless steel tube
1" steel plate
3' stainless steel truss hand rail



13 2" pavers
2" sand
R 26 insulation
1" EPDM
1" soil retention tee
6" one way concrete slab
3" metal deck

DETAIL C - column to foundation

SCALE: 1" = 1'



HSS6 round steel column
2" steel plate
anchor bolts 1" min.
drypack with nonshrink grout
24" foundation column

GATEWAY

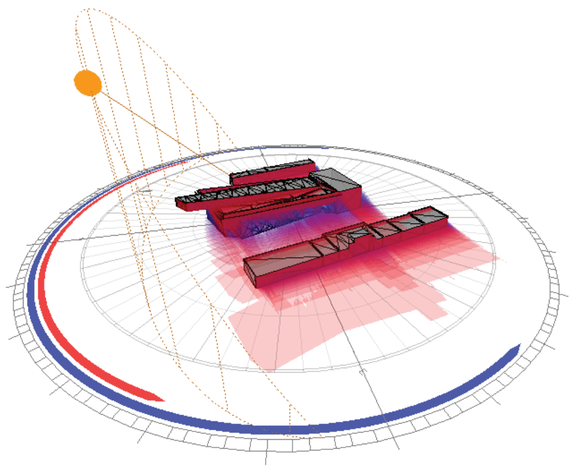
BRYAN, TEXAS

SCALE: 1" = 1'

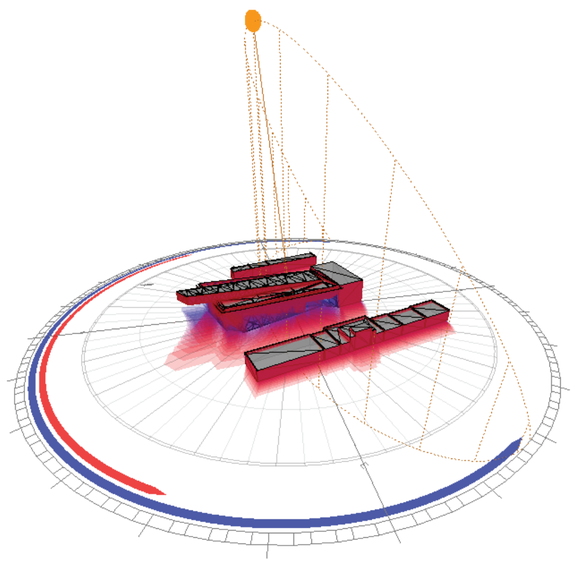
AMI KERN
COURTNEY TYREE

SYSTEMS

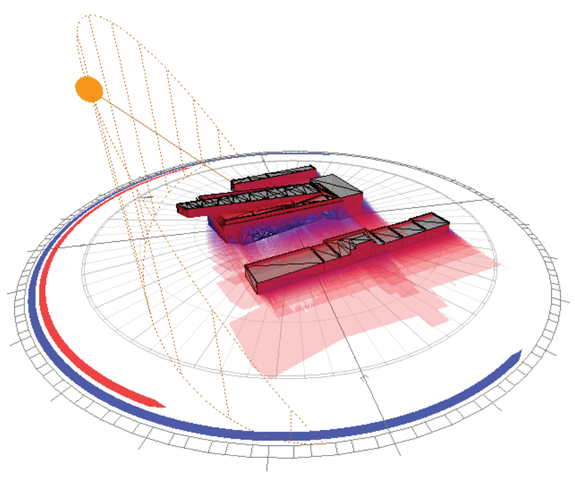
DAYLIGHTING



DEC. 21



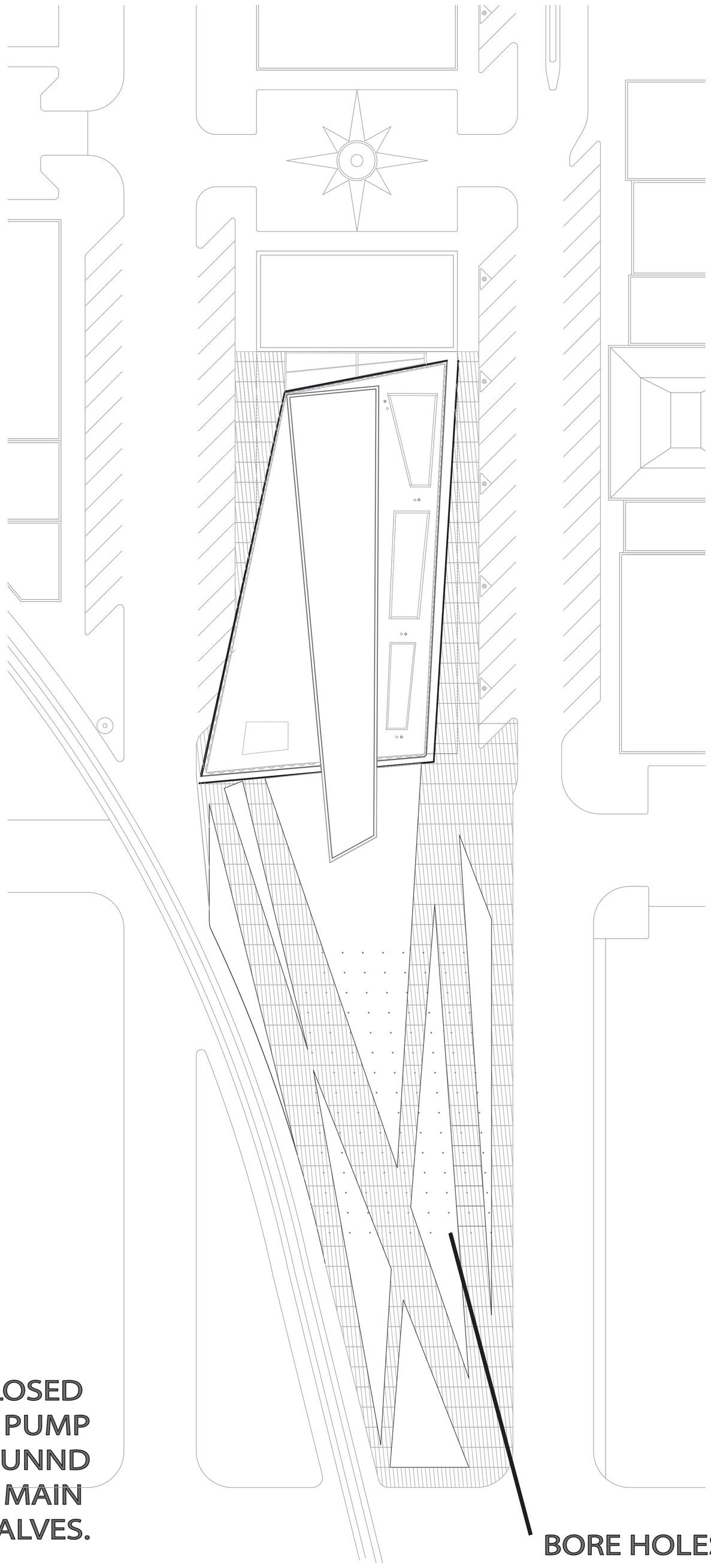
JUNE 21



DEC. 21

THERE ARE 150 BORE HOLES IN THE CLOSED LOOP VERTICAL GROUND COUPLED HEAT PUMP MAINTANENCE ACCESS THROUGH AN UNDERGROUNND TUNNEL FROM THE BASEMENT TO THE MAIN CONTROL AREA OF THE VALVES.

GROUND COUPLE HEAT SYSTEM



MEDIATHEQUE

BRYAN, TEXAS

AMI KERN
COURTNEY TYREE