

Circulation of Garden Show Exhibit



Lighting Demonstration at Exhibit



Various lighting elements are incorporated in the design to light the entrances, fireplace, and vegetation.

Highlighted Component

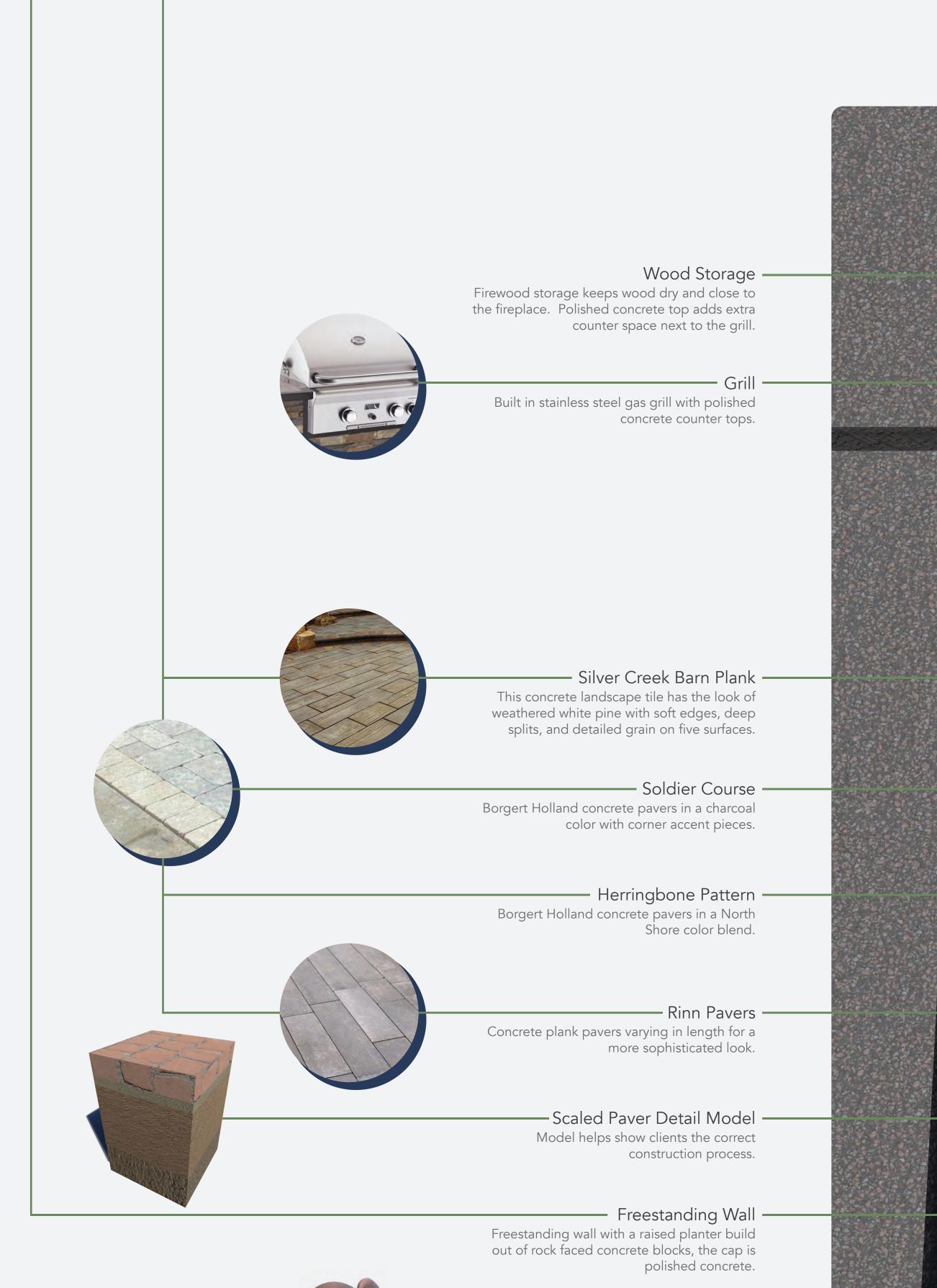


Each exhibit has a component that draws potential clients into the exhibit. In this exhibit the fireplace is that.

Scale 1"=1'

Scale 3"=1'

Scale 1/2"=1'





Self Contained Water Feature Low maintenance water feature that is self contained into a single easy to use unit.

Scale:

"It is by far the largest market subsector," in referring to which aspect of residential design is often overlooked and under appreciated (McKee, 2013). Out of 4,000 landscape architecture firms surveyed by the American Society of Landscape Architects (ASLA, n.d.), 81percent provide residential design services (ASLA, n.d.).





Masterplan

Plant List —

Scientific Name Acer palmatum Forsythia × intermedia Galanthus nivalis Hyacinth 'Blue Jacket' Tulipa 'Prinses Irene'

Japanese Maple Forsythia Common Snowdrop Hyacinthus Blue Jacket Tulip 'Prinses Irene'

Common Name

— Fireplace Outdoor wood burning fireplace with a polished concrete mantle and brushed stainless steel top.

– Boulder —— Desert bronze outcroppings with grey strata

on the sides. - Aisle The aisle between exhibitor booths is 10 feet wide to accommodate the heavy traffic flows.

— Other Exhibitors 10′x10′ and 20′x20′ booths make up the layout of the convention center.

– Japanese Maple — Small deciduous tree with attractive leaf shapes and color.

— Scaled Column Detail Model — Model helps show clients the correct construction process.

– Concrete Block Column Rockfaced concrete block column with concrete cap stone and an under cap LED light fixture.

----- Natural Stone Edging Desert bronze sandstone edging with split faces and cut at random lengths.

— Bluestone — Blue base color with brown, green, grey, and purple accents.

— Circle Pattern Tumbled concrete pavers grey in color with brown accents.

—— Cedar Pergola — Cedar wood with stainless steel hardware and fasteners.

Iron table and chairs to seat four people.

—— Dried Grape Vines —— Decorative dried grape vines woven onto the trellis.



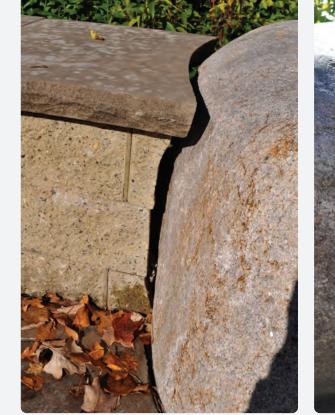
– Ashlar Pattern ––––– Borgert Strassen Classic tumbled concrete pavers in Minnesota River color blend which includes shades of red, browns, and greys.



The user's eye follows the strong line of the soldier course.



The user's eye follows the corner.



to a boulder, one side constructed well (right), and the other constructed poorly (left). This outcome was mostly likely caused because each side was installed by a different crew member.



Selling the System Designing through Details

North Dakota State University LA 572 Design Thesis Andrew Herzog Primary Advisor: Matthew Kirkwood Secondary Advisor: Kathleen Pepple

Program

"the designer must be adept in the

Create a book with information about details and craftsmanship in hardscape elements, and use that book to design a garden show display.

Grab potential clients attention as they are walking by, through creating a display in a garden show using details that demonstrates craftsmanship and sells the contractors ability to design and install a landscape.

Typology

Hardscape elements anchor a landscape design and too often you see failing hardscape designs. Pavers and walls settle, columns are leaning to one side, and retaining walls blow out from too heavy of a load. The purpose of this thesis is to educate the client about proper construction techniques and to sell the client the construction system underneath the design.

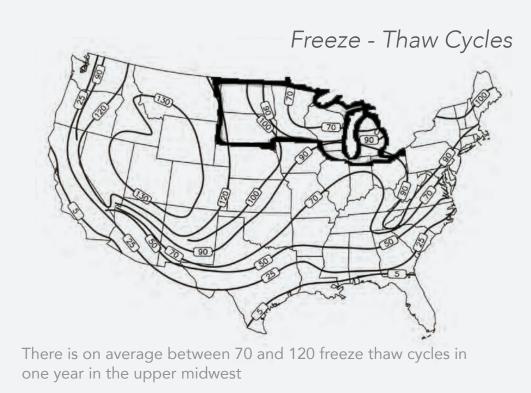
Upper Midwest Region

The region I am focusing on is the upper Midwest. I chose the upper Midwest for its four distinct seasons. Unlike asphalt or concrete, pavers flex and are able to move with the ground when freeze thaw cycles occur. This is an unique feature pavers have instead of cracking and breaking like asphalt or concrete traditionally would. Because of the climate in the upper Midwest, pavers are also installed differently than they are in different parts of the United States.

Even though the garden display will be in a controlled environment indoors. It will be designed in a way that it could potentially be installed anywhere in this region of the United States.

Freeze - Thaw Zone

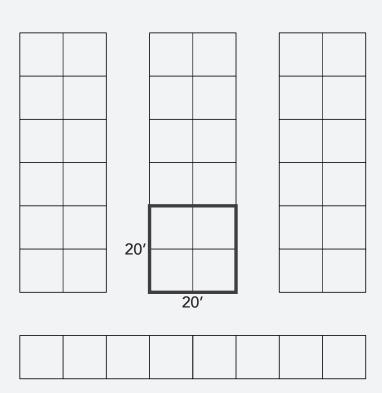
The entire upper midwest is in the freeze thaw zone.



rost Depth

The frost depth in the upper midwest is some of the deepest in the United States. The frost is about 6' deep and can be found deeper depending on the location and the weather.

Typical booth layout





Process Work

Garden show display key points:

Booth cannot be too cluttered

Do not guard the entry, stand back

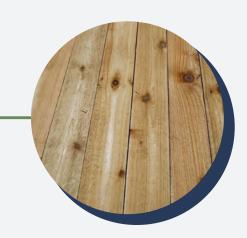
Booth needs to be inviting and not constricting

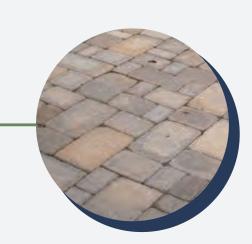
Booth needs to have a focal point that draws attention

landscape detail practices of construction" -Niall Kirkwood





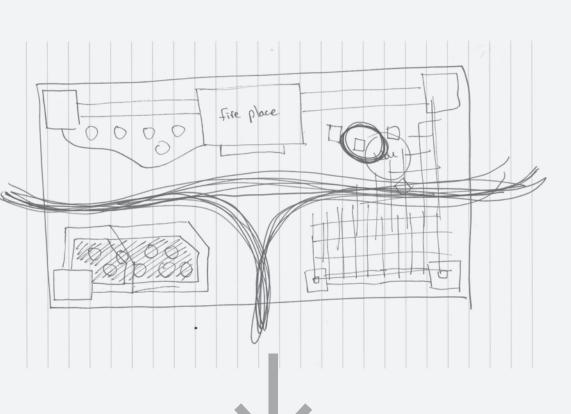


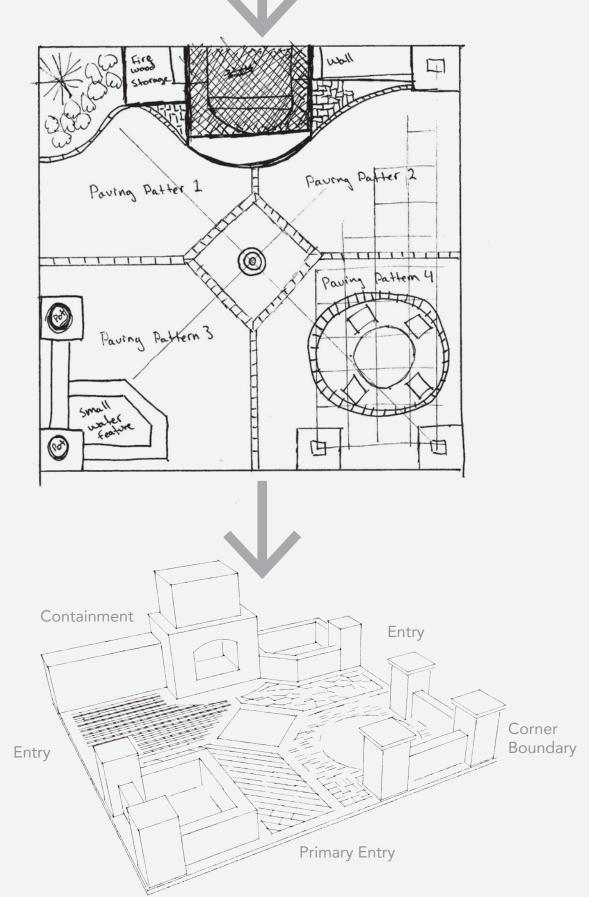


Craftsmanship



Two examples of the same detail of a wall butting up







Section Perspective

Concrete Pavers Sand set concrete pavers.

Washed Sand

ASTM C 33 sand. Washed and screened with a particle size less than 3/8".

Class 5 Gravel

Compacted gravel: crushed 3/4" rock with fines.

Geotextile Separation Fabric

Fabric helps contain the gravel, separate the gravel from the soil, and helps transfer the load weight from above.

- Concrete Footing Concrete filled tube with two pieces of number four rebar inside connecting to the middle of the column.