Creating a Structure

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This is a project about creating a structure that expresses the interrelationship of function, material, connection and form.
The main structural system is a combination of rigid frame and cable suspended platform.

Primary materials: wood & steel cable

Connections:
- Wood to wood: wood screws + bolts
- Wood to cable: eye bolts + metal clamps
- Compression ring to cables: eye bolts + metal clamps

Lateral resisting systems:
- Rigid frame
- Shear walls
- Cross bracing
Components and construction sequence
Load Tracing
BUDGET SUMMARY

$40.04
(Returns) -7.16
$32.88
+TAX
$35.59
(Additional Items) $9.36
+1.56
+2.18
+TAX
$49.77
Conclusion

Not only are Function, Material, connection and form all interrelated - They, along with Loading conditions and budget, affect one another and ultimately the structure.