The Magdalena
A mass timber hybrid boutique hotel

Disclaimer: This presentation was developed by a third party and is not funded by WoodWorks or the Softwood Lumber Board.
Boutique Hotel – Austin, TX

Lake|Flato Architects
StructureCraft Builders
Architectural Engineers Collaborative
Integral Group
Big Red Dog
Biohabitats
Ten Eyck Landscape Architects
The picturesque and unique Motor Hotel in the heart of Austin, Texas
Site Constraints

- Stepping Height Restrictions
- Sloping Topography
- Existing Retaining Walls
- Existing Heritage Trees
- Multiple Occupancy Types
- Local Building Codes & Permitting Process
Possible Event Space
over Restaurant

open to elements...

Restaurant Spills into
Cypress grove + The grotto

Gliders

Hammock grove

Private courts

Mary Magdalena’s
grotto

Pool Above Schindl

July 20, 2013
2 STORY HOTEL BUILDING TYPE V-A

5 STORY HOTEL BUILDINGS TYPE I-A & TYPE V-A OVER PODIUM
HOTEL ROOM CONCEPT
HOTEL ROOM CONCEPT

FINISHES / MODEL ROOM
FLOOR ASSEMBLY

DOWEL LAMINATED TIMBER FLOOR
03 3000; CAST-IN-PLACE CONCRETE

06 1629; ACOUSTICAL UNDERLAYMENT

06 1000; 1/2" PLYWOOD

06 1910; DOWEL LAMINATED TIMBER SLAB
MASS TIMBER on LIGHT FRAME

STRUCTURE
MASS TIMBER on LIGHT FRAME

ACOUSTICS
CONSTRUCTION DETAILS

Light Frame → Mass Timber

TOPPING SLAB (REF ARCH DWGS)

RIGID INSULATION (REF ARCH DWGS)

SHEAR WALL AS PER PLAN

HOLD DOWN WHERE SHOWN ON PLAN

CONTINUOUS 1" MIN. WOOL DRAFT STOP (REF. ARCH.)

PLYWOOD

NLT/DLT PANEL

Ø3/8"x9-1/2"
FULLY THREADED SCREWS @4'-0" O.C. DIAGONAL

3/8" x 5 1/2" GENIE MAT FIS FLANKING STRIP
MASS TIMBER on LIGHT FRAME

PREFAB WALLS
CONSTRUCTION DETAILS

Light Frame → PT Slab

HOLD DOWN AND THREADED ROD AS PER PLAN. ACCURATELY LOCATE THREADED ROD SITE WELD TO EMBED AS SHOWN.

3" THICK TOPPING SLAB OVER 3" RIGID

RIGID INSULATION (REF ARCH DWGS)

14" THICK POST TENSIONED SLAB

EMBED PLACED IN POST TENSIONED SLAB

NAIL SHEARWALL PLYWOOD TO EACH HOLDDOWN STUD WITH 2 1/2" NAILS @ 6"O/C

STUD PACK AT HOLDOWN LOCATION AS PER HOLDOWN SCHEDULE

HOLD DOWN AND THREADED ROD AS PER PLAN. ACCURATELY LOCATE THREADED ROD SITE WELD TO EMBED AS SHOWN.

6" THICK TOPPING SLAB

14" THICK POST TENSIONED SLAB

EMBED PLACED IN POST TENSIONED SLAB

SCALE: 3/4" = 1'-0"
MASS TIMBER on LIGHT FRAME

HANGING BALCONIES
CONSTRUCTION DETAILS

Hanging Balconies
MASS TIMBER on LIGHT FRAME

DLT CORES
MASS TIMBER on POST AND BEAM

GAPPED WALKWAYS
MASS TIMBER on POST AND BEAM

BRIDGE
MASS TIMBER on LIGHT FRAME

TAKEAWAYS

• Beautiful exposed aesthetic
• Faster construction vs. stick-built on site
• MEP coordination – forced to happen up front
• More off-site coordination + VDC = less RFIs
This concludes The American Institute of Architects Continuing Education Systems Course

QUESTIONS?

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