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 w/Public Bar

Pool Bar over Restaurant (private)

Open to elements ...

Pool bar -

Restaurant Spills into Cypress grove + the grotto

"Dine in Pergola -

"Guests only"

"Trees - guests only"

Grotto

Mary Magdalena's grotto

July 20, 2013

Pool above Schindler

Suites

"Kue Cello on the trio"

Grotto •

Private courts

Cypress grove

Hardcape + shade -

- trees scattered

amongst trees
5 STORY HOTEL BUILDINGS TYPE I-A & TYPE V-A OVER PODIUM
2 STORY HOTEL BUILDING TYPE V-A

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

PRIVATE CONDOMINIUM, HOTEL ROOMS TYPE II-A
HOTEL ROOM CONCEPT
HOTEL ROOM CONCEPT

FINISHES / MODEL ROOM
CONCEPTUAL DETAILS
MASS TIMBER on LIGHT FRAME

STRUCTURE
MASS TIMBER on LIGHT FRAME

ACOUSTICS
CONSTRUCTION DETAILS

Light Frame ➔ Mass Timber

- Shear Wall as per plan
- Hold down where shown on plan
- Continuous 1" min. wool draft stop (Ref. Arch.)
- 3/8" x 5 1/2" Genie Mat Fis Flanking Strip

- Topping slab (Ref. Arch. DWGS)
- Rigid insulation (Ref. Arch. DWGS)
- Plywood
- NLT/DLT panel

Ø3/8"x9-1/2" Fully threaded screws @4'-0" O.C. diagonal
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

CONCRETE SECTION

SCALE: 3/4" = 1'-0"

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MASS TIMBER on LIGHT FRAME
HANGING BALCONIES
CONSTRUCTION DETAILS

Hanging Balconies

- 2 HBS 6x220 screws @ 12" OC into side of DLT panel at each hanger rod location.
- Place Teflon washer between end of rod and steel plate.
- 4 - 2x6 studs each side of opening as per plans.
- At roo, use 2-2x6 continuous base plates instead of blocking between studs to allow for door threshold to be recessed.
- 1/8" Teflon plate between end of rod and steel plate.
- 6 - HBS-EVO 6x120 screw.
- 1/4" thick steel plate.
- 6059 stainless steel rod GR.315.

Building envelope:
- Sapped 2" as per plan.
- Guardrail beyond by others.
- 4-HBS 6x150.
- 1/8" thick steel plate 2xH hole for 5/16 rod.
- 1/4" thick steel plate 2xH hole for 5/16 rod.
- 2 - 0.342" A307 HDS bolts recessed 1/2" into side of beam.
- 1/4" thick knife plate TYP.
- 6 - HBS-EVO 6x120 screw.
- 5-1/16" x 7 1/2" glulam beam FEP 3/4" x STRONG (1.050'').
- 3 1/2" x 12 3/4" beam as per plan milled to a depth of 1/" to match dock depth.
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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