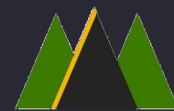


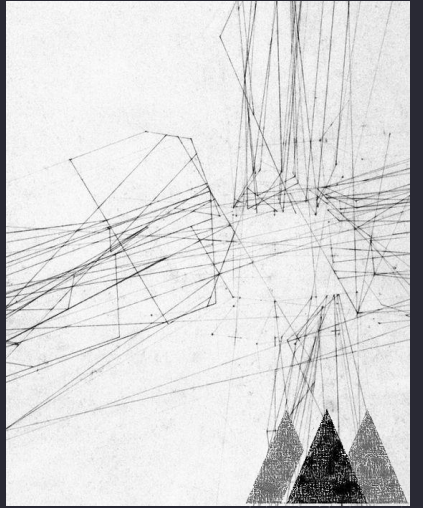
TECHNICAL presentation



Borneo Benar

- ❑ Jetties and Walkways
- ❑ Decks
- ❑ Floors
- ❑ Columns and Beams
- ❑ Walls
- ❑ Ceilings
- ❑ Roofs
- ❑ Doors & Windows
- ❑ Privacy Screens
- ❑ Others

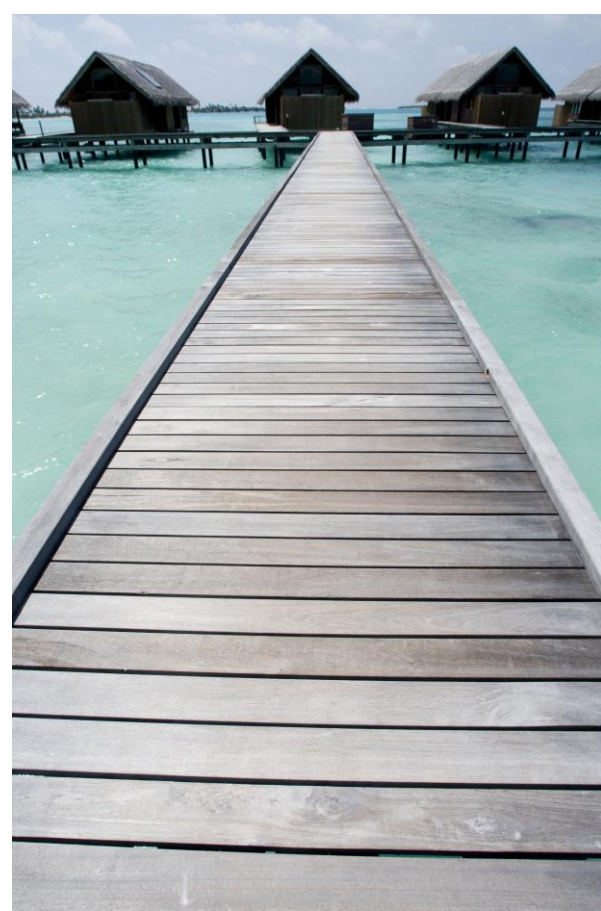
TABLE OF Contents



Jetties and Walkways

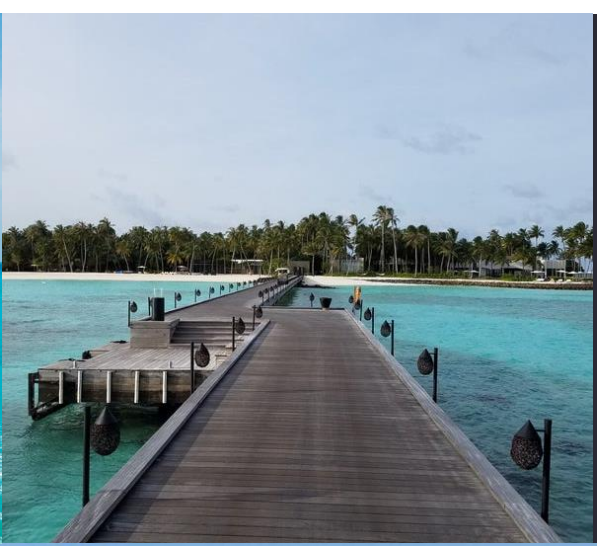


Timber JETTIES & WALKWAYS

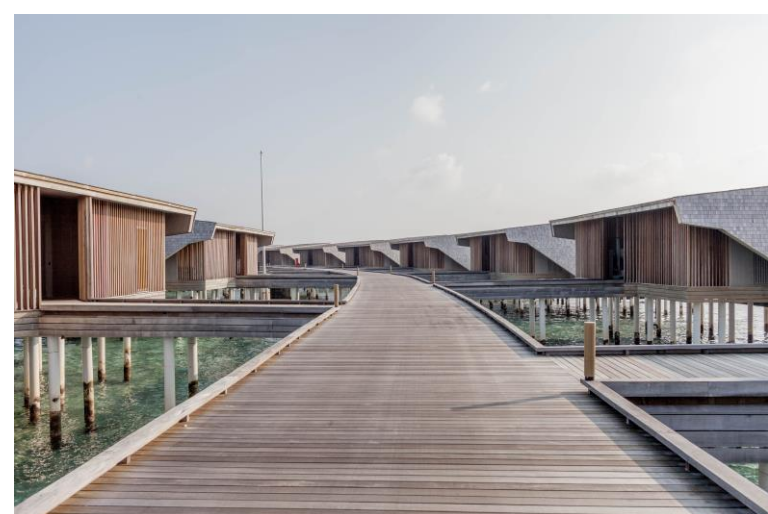


Timber
**JETTIES &
WALKWAYS**

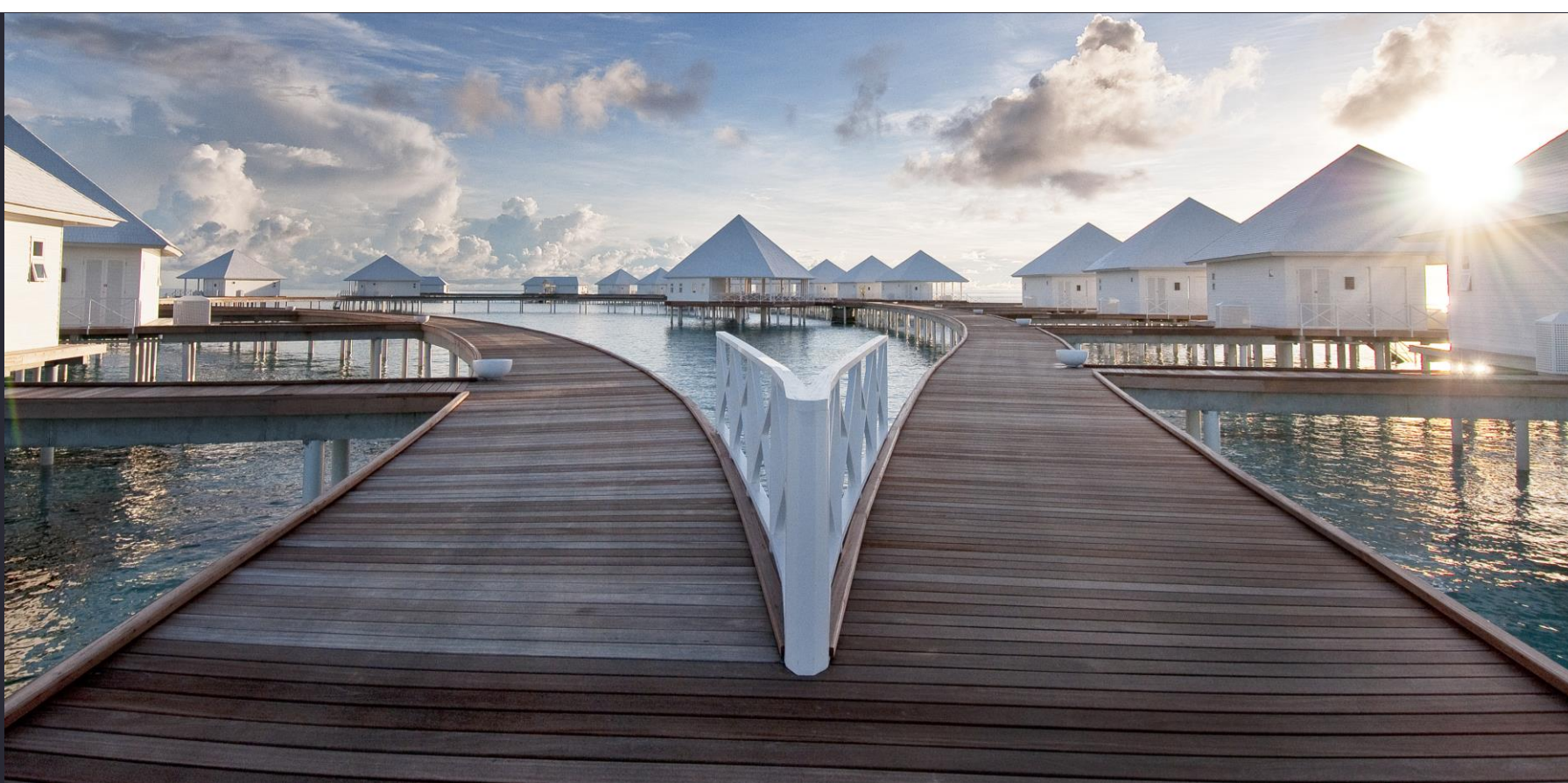




Timber
**JETTIES &
WALKWAYS**

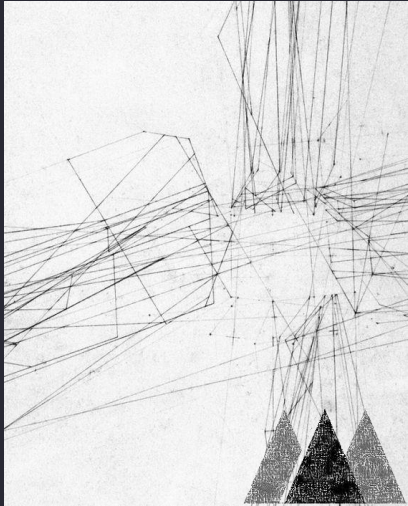


Timber JETTIES & WALKWAYS



Timber JETTIES & WALKWAYS





Decks



timber deck board



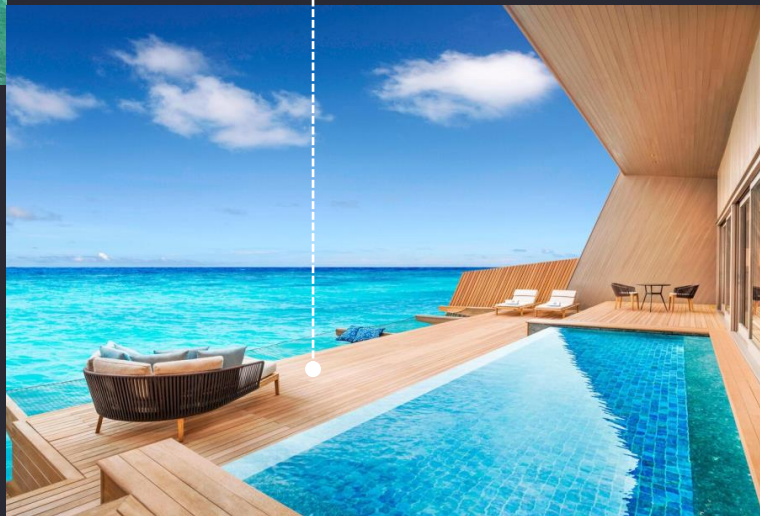
45 degree timber deck board

Timber DECKS



timber deck board

Timber DECKS





timber deck board

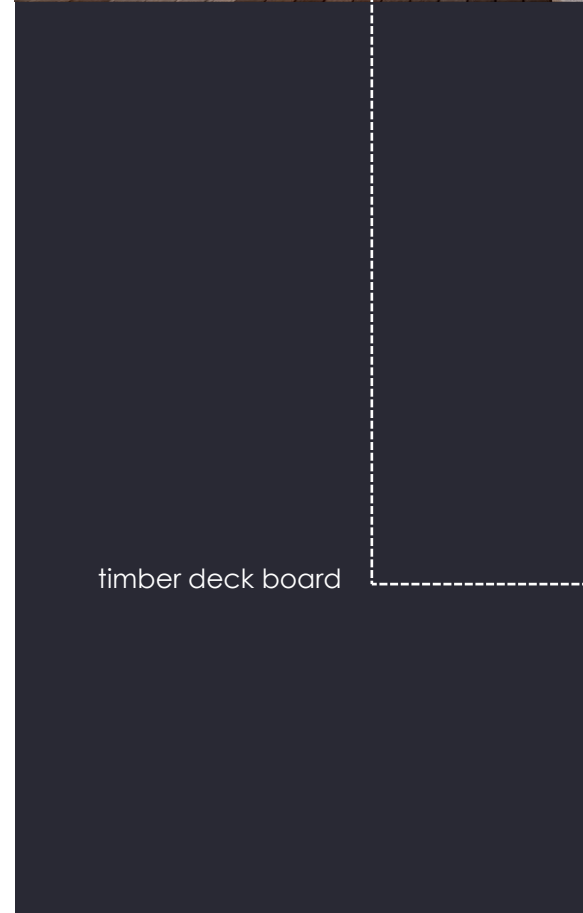
Kid's Club - Indoor Deck Area

timber deck board
(indoors)



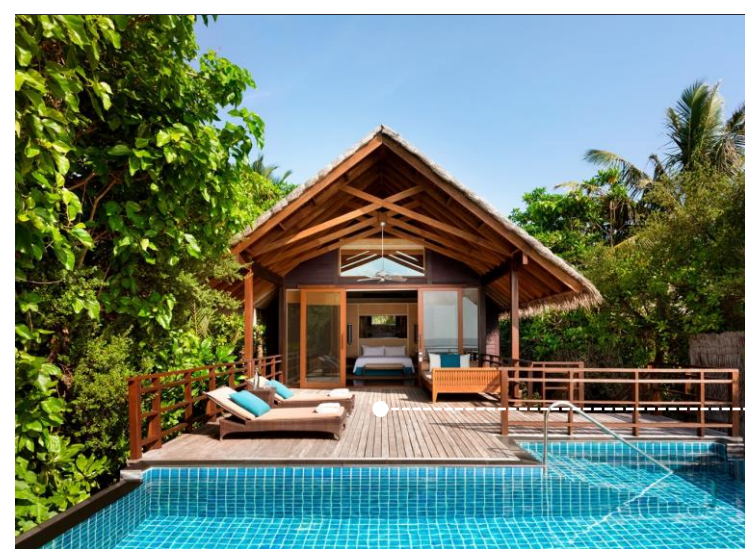
Lagoon Area - Outdoor deck

Timber DECKS



timber deck board

Timber DECKS



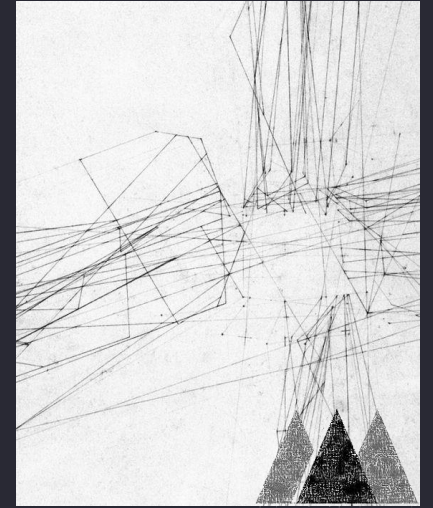
timber deck board



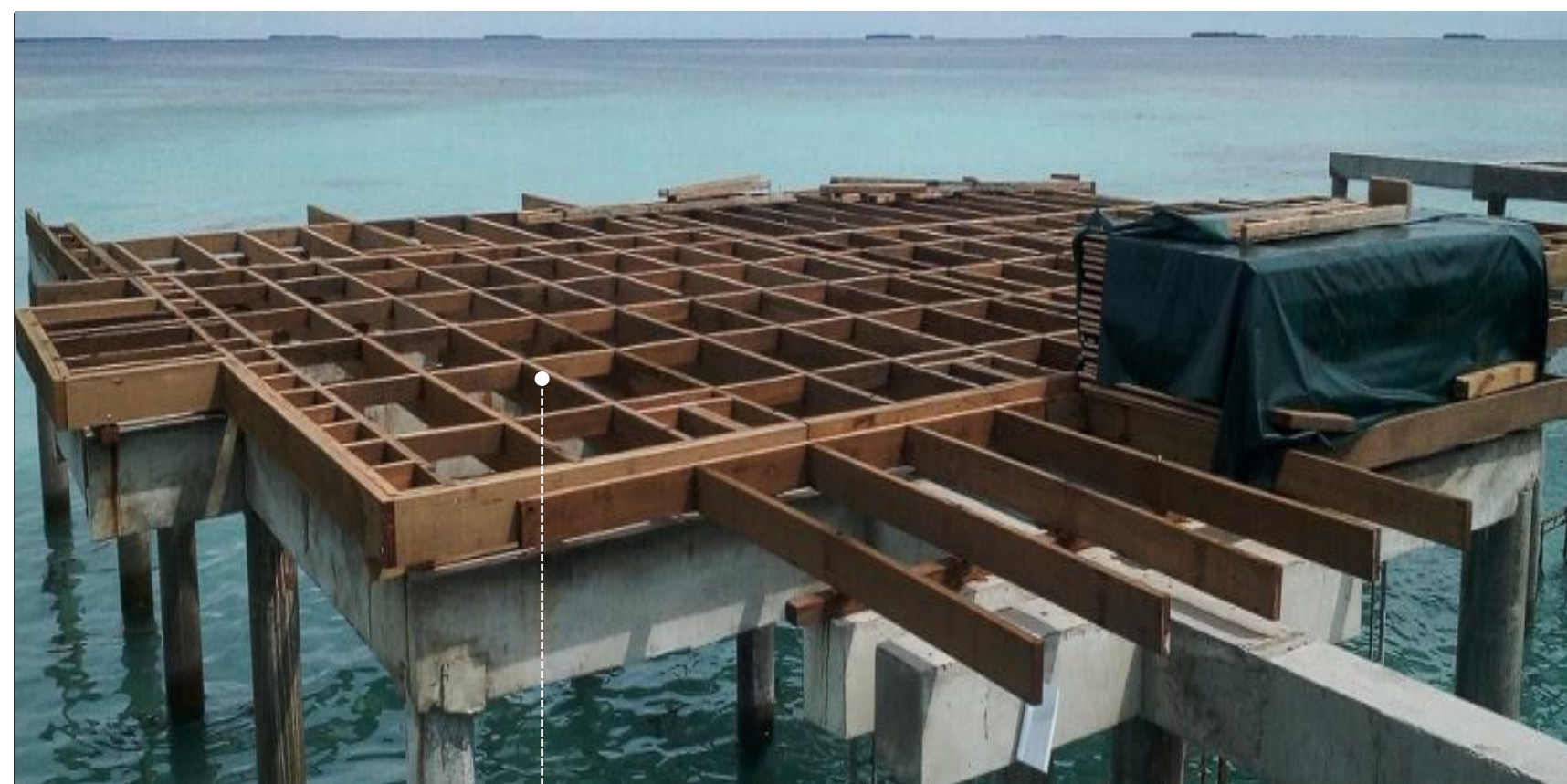
timber deck board



Timber DECKS



Floors



Timber Joists and Noggings



Drilling of timber joist
into concrete beam

Timber FLOOR

Timber FLOOR

DWV - 07



timber joists and noggings



1 Lime-washed Floor Board

3 Battered Floor Board

T&G Floor Board 4

Photos from

Athuruga Resort – Maldives 1

Fushivelavaru Resort – Maldives 2

Soneva Jani Resort – Maldives 3

Shangri-La Resort - Maldives 4

Timber FLOOR

2 Floor board with Polyurethane Sealant



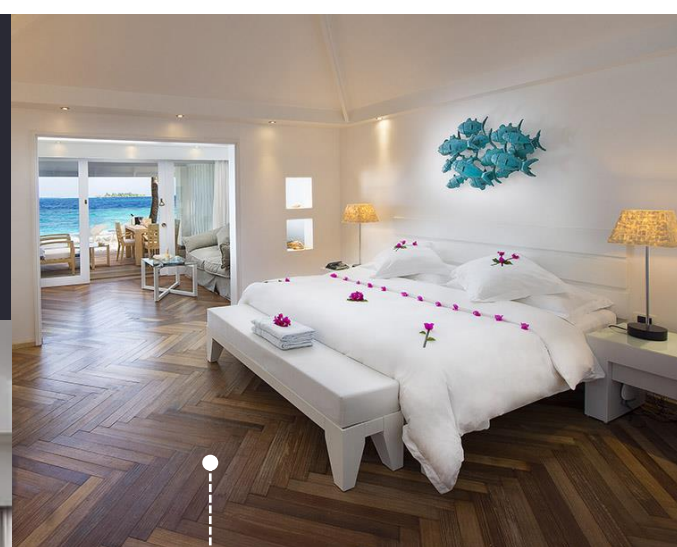
T&G Board Typical Section





Timber FLOOR

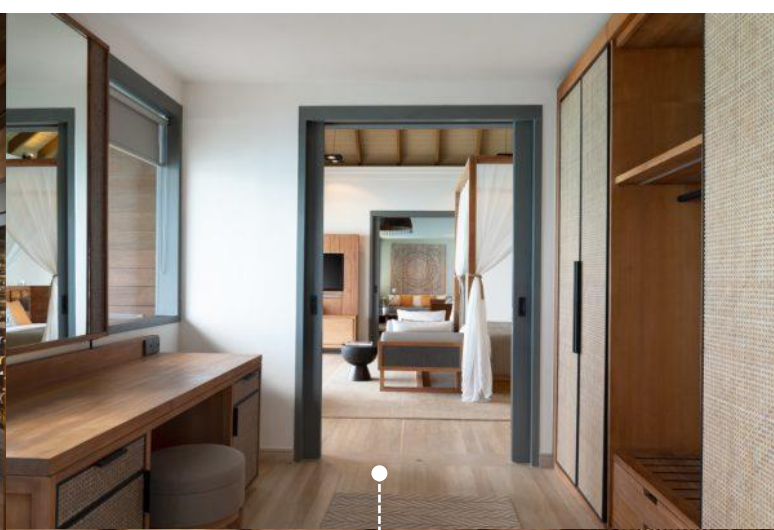
timber t&g floor board



Timber FLOOR



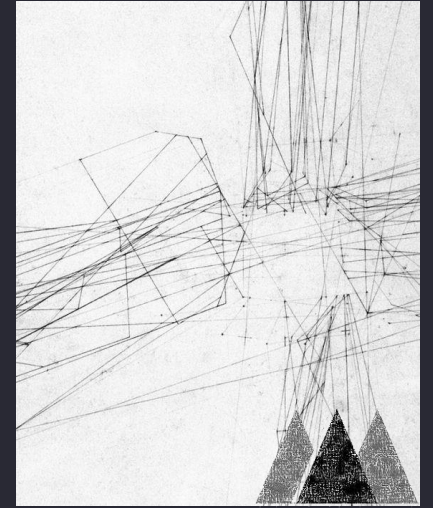
lime-washed timber floor board



Timber t&g floor board



Timber FLOOR

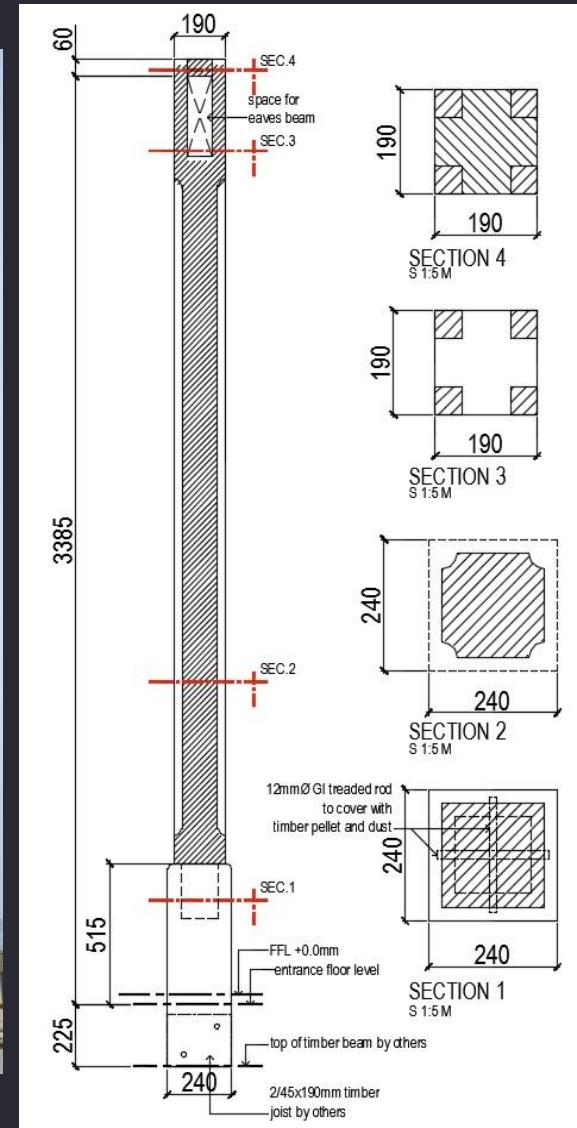


Columns and Beams

Shiplap Connection with
Concealed Bolt and Nut Timber
Column to Timber Beam



Bolt and Nut with Metal
Bracket connection for
Timber Column



TYPICAL PROFILED TIMBER COLUMN

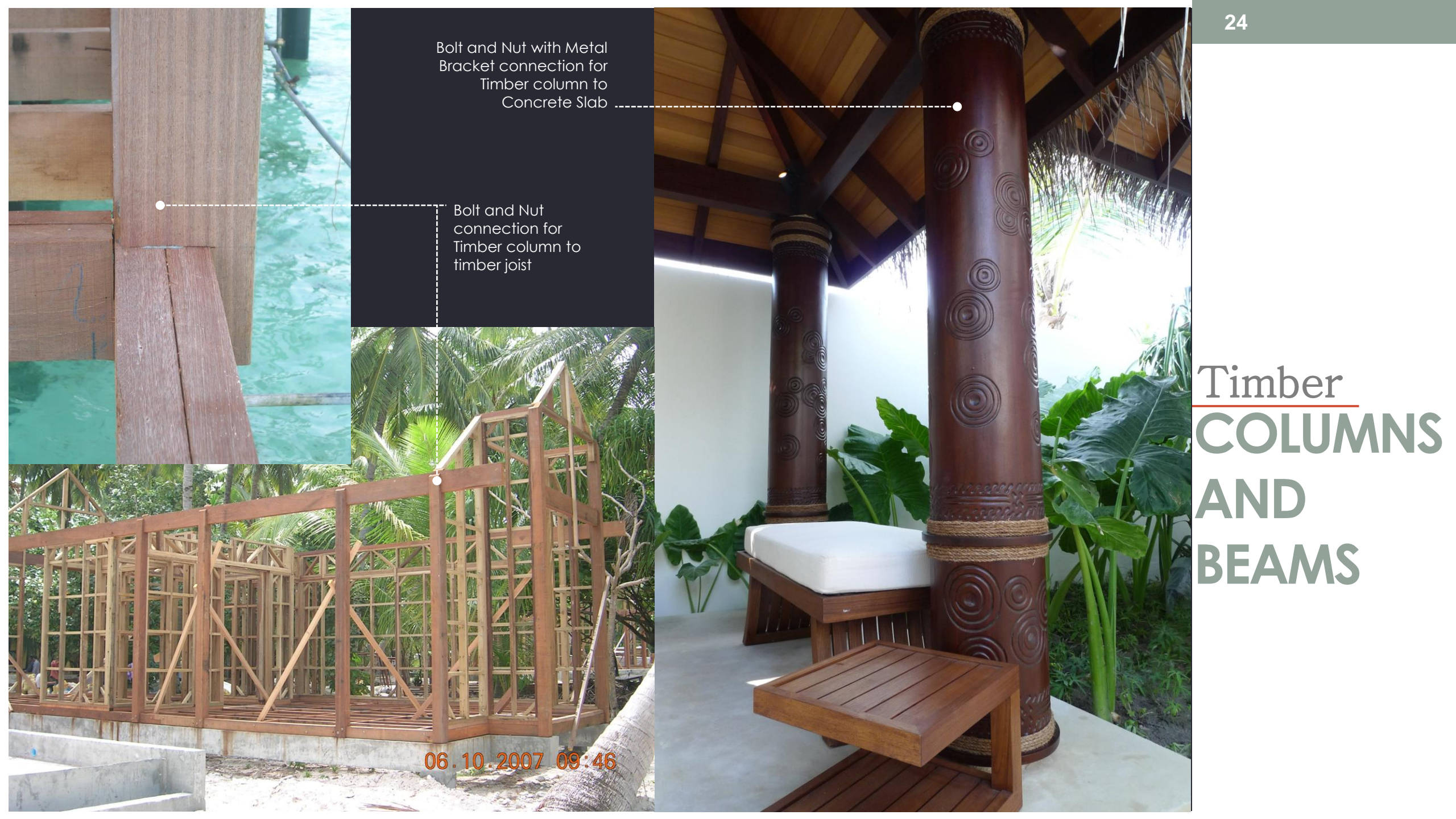
Timber COLUMNS AND BEAMS

Bolt and Nut with Metal Bracket connection for Timber column to Concrete Slab

Bolt and Nut connection for Timber column to timber joist

06.10.2007 09:46

Timber COLUMNS AND BEAMS

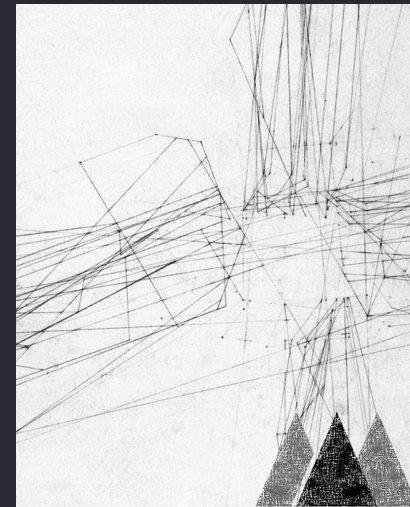




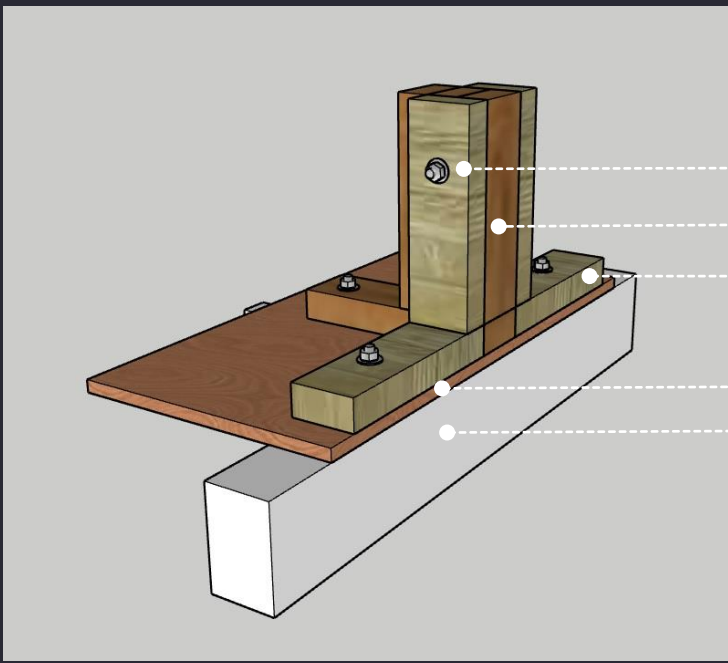
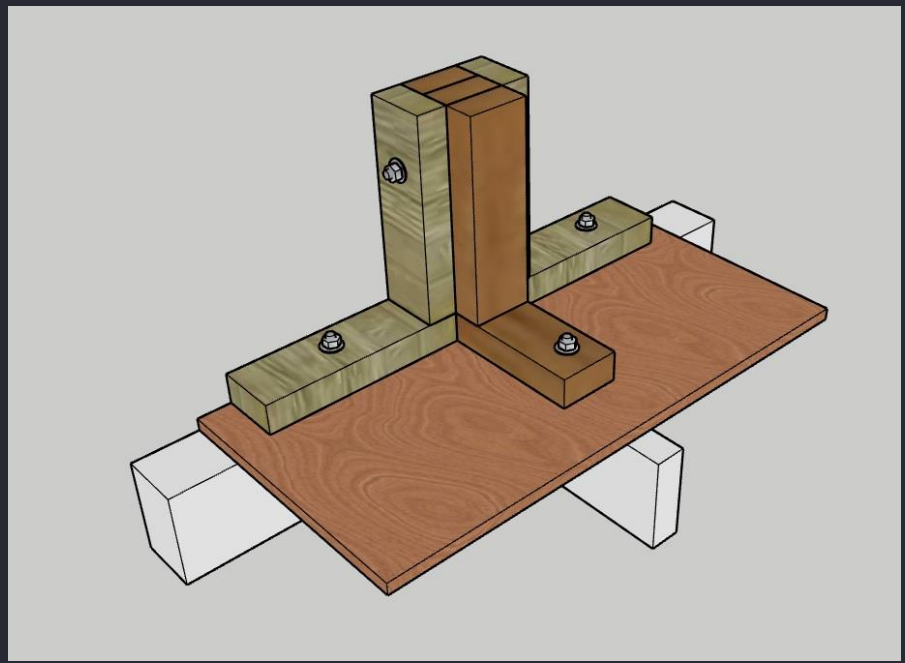
Shiplap Connection with Concealed Bolt and Nut Timber Column to Timber Beam



Timber COLUMNS AND BEAMS



Walls



- Timber Wall Frame
- Timber Wall Frame
- Timber Wall Frame
- Floor Base Board
- Timber Joist

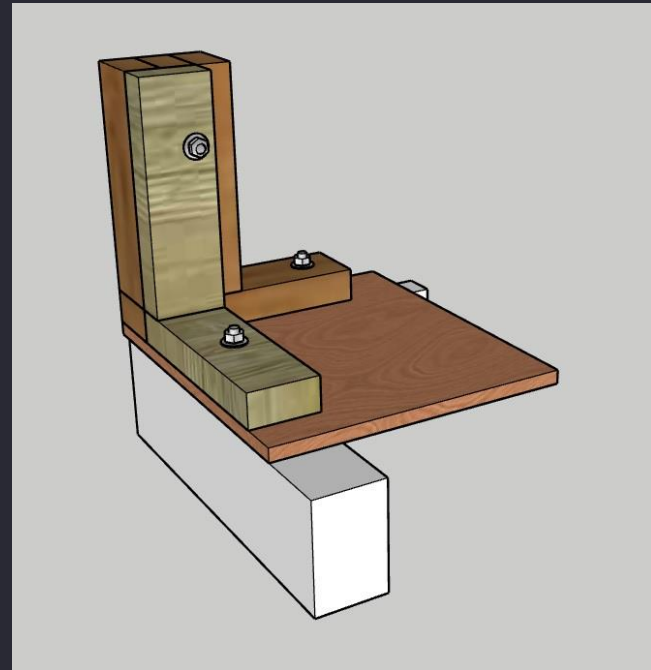
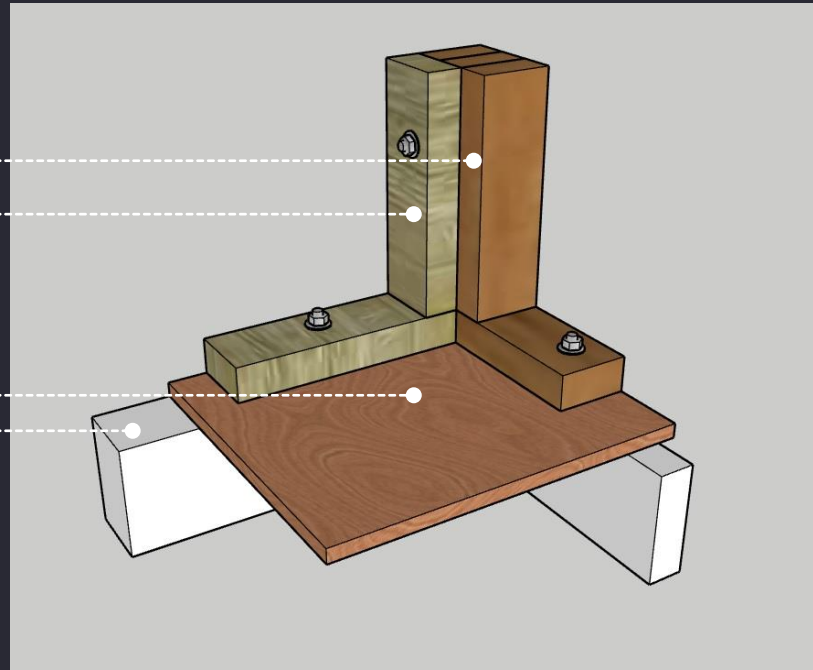
TYPICAL WALL FRAME CONNECTION DETAIL

----- Timber Wall Frame

----- Timber Wall Frame

----- Floor base Board

----- Timber Joist



Timber WALLS



Typical timber wall frame to timber concrete slab connection detail



Application of anti-rust substance to all exposed metal bolt and nut



Typical timber wall frame to timber wall frame connection detail

TYPICAL MODULAR
WALL FRAME FIXING
DETAILS

Timber WALLS



Gable Wall Frame

Solid Timber Beam

Solid Timber Column

External Wall Frame
External Web Beam

Internal Wall Frame
Internal Web Beam



Timber WALLS



Timber WALLS

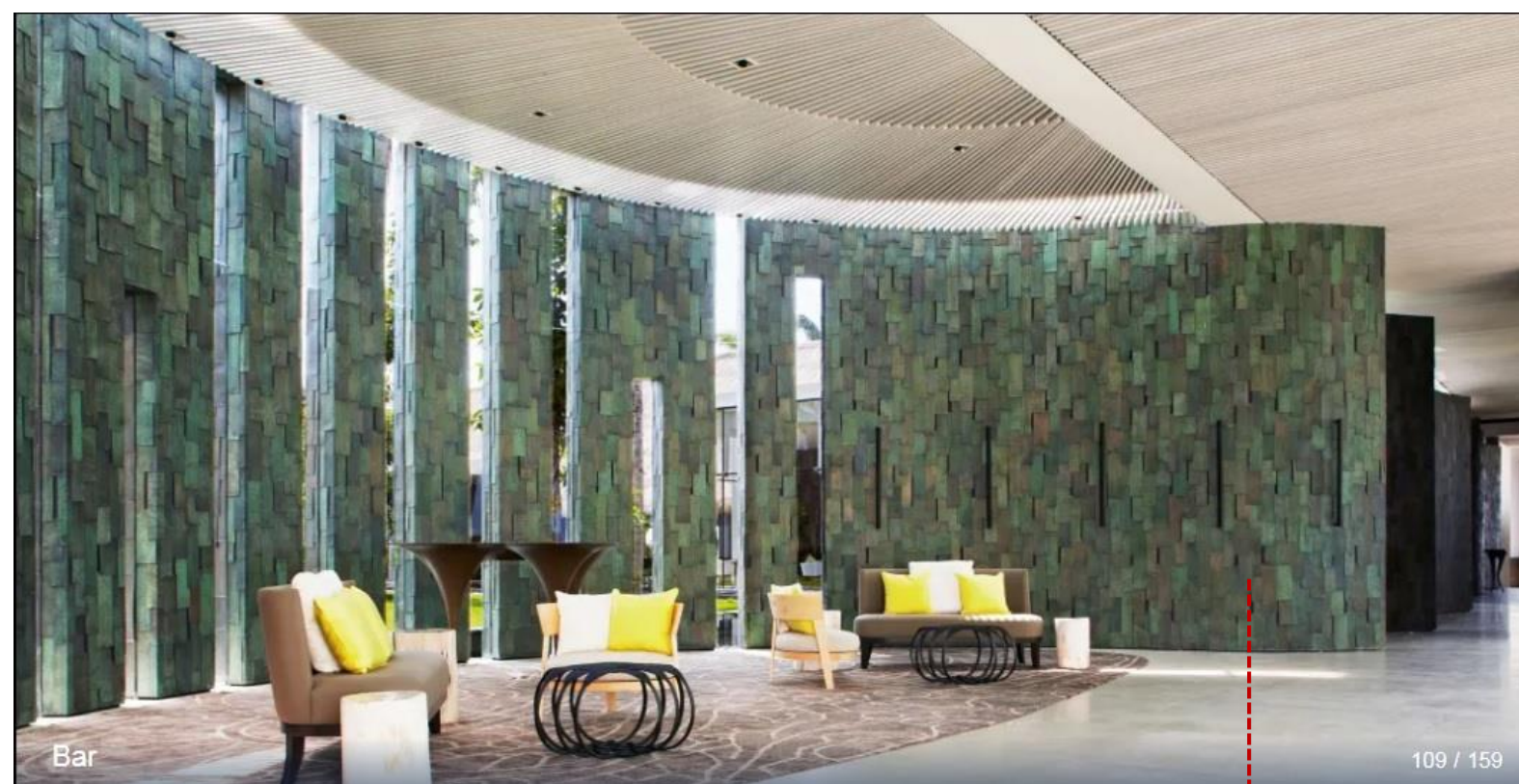




Timber WALLS



Timber WALLS



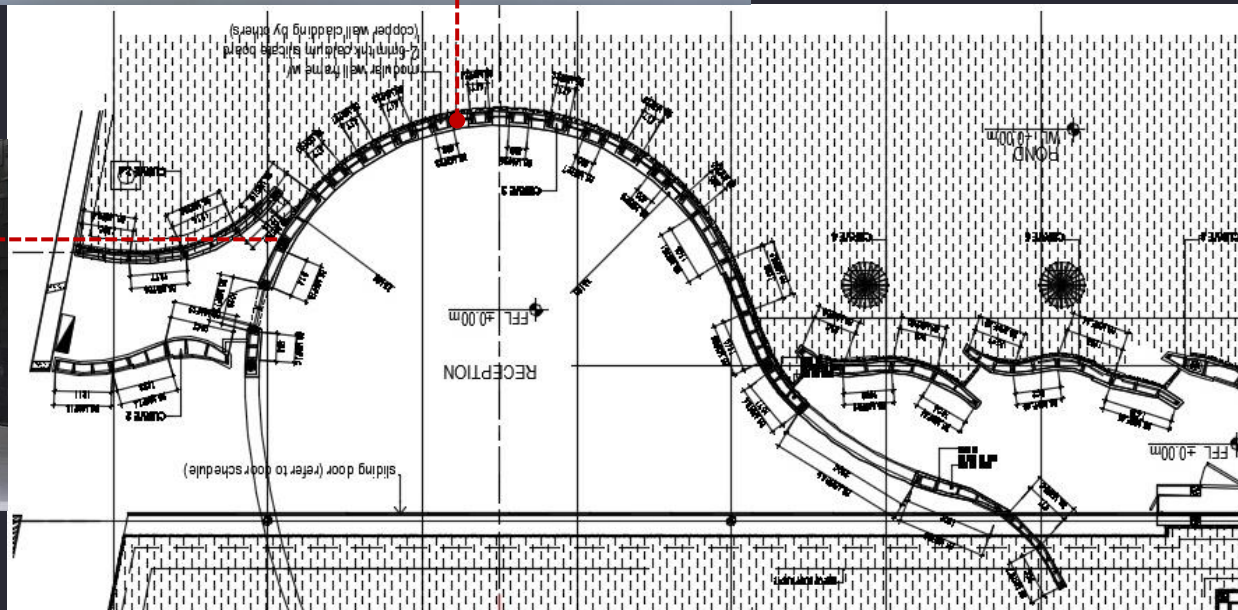
Bar

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Timber WALLS



Curve Modular Timber Wall Frame
(clad with copper shingles by others)



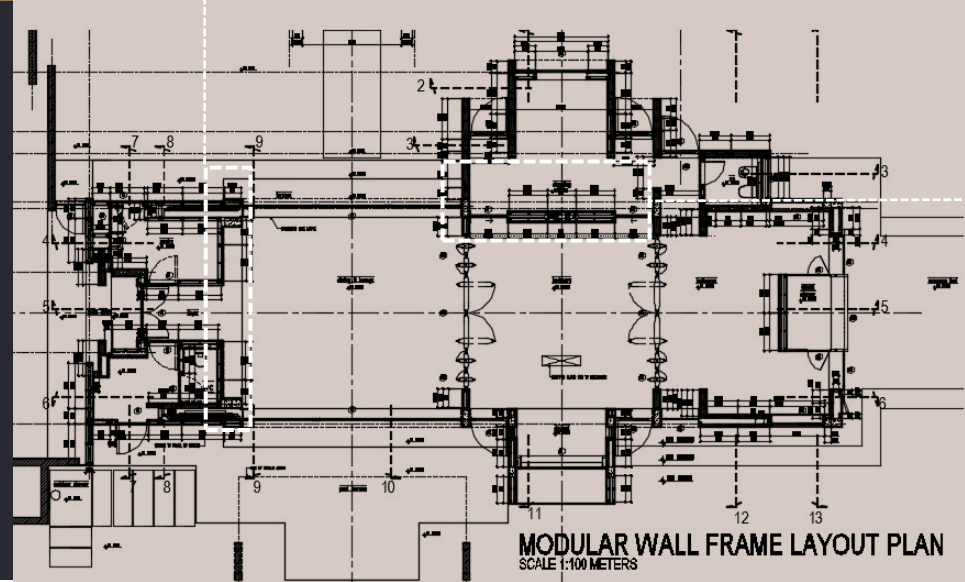


Curve Modular Timber Wall Frame

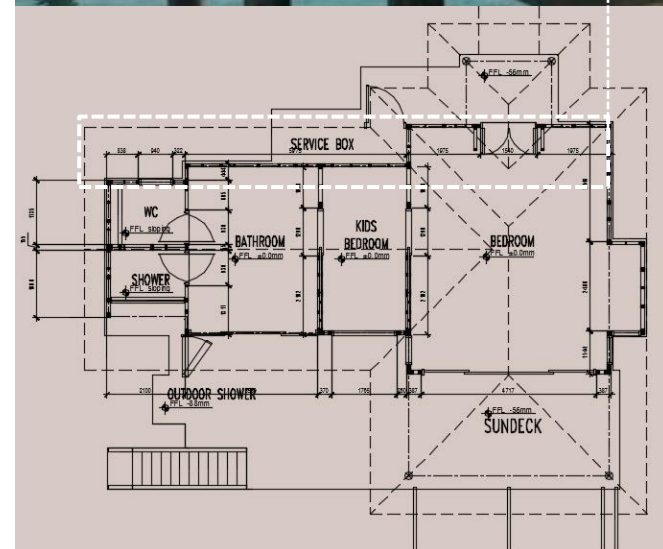
Timber WALLS



Timber WALLS



Timber WALLS

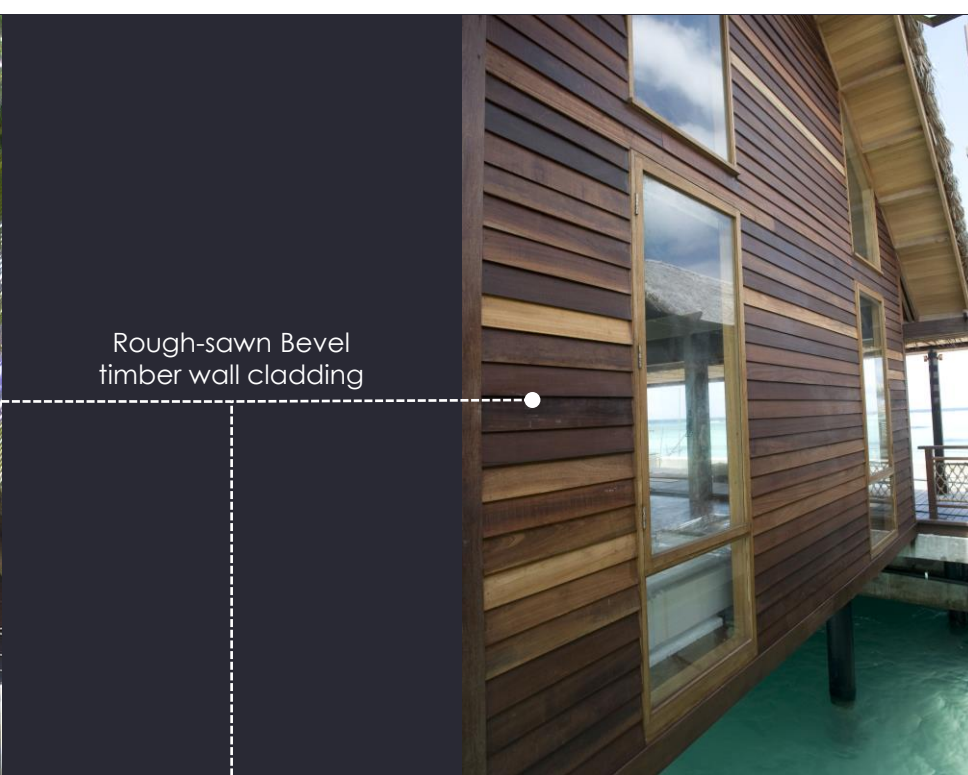


MODULAR WALL FRAME LAYOUT PLAN

SCALE 1:100 METERS

Rough-sawn Bevel
timber wall cladding

Timber WALLS

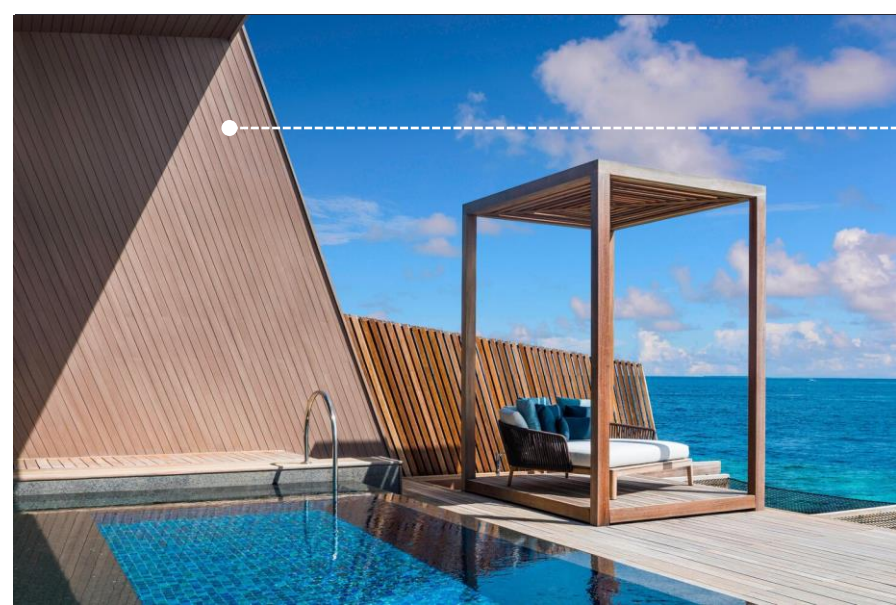


Painted Timber Bevel wall
cladding

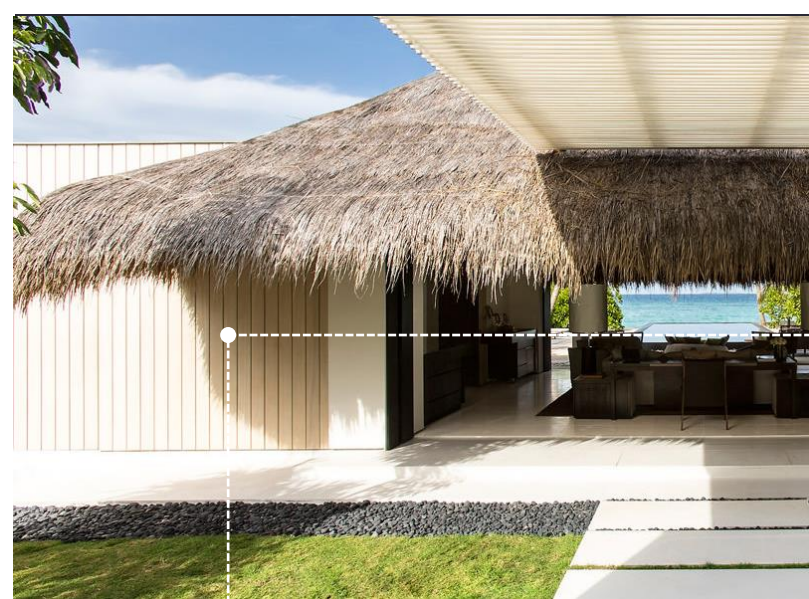
Timber WALLS



Painted
Slanted/Vertical
T&G Wall Cladding



Timber WALLS



Vertical timber slatted wall cladding

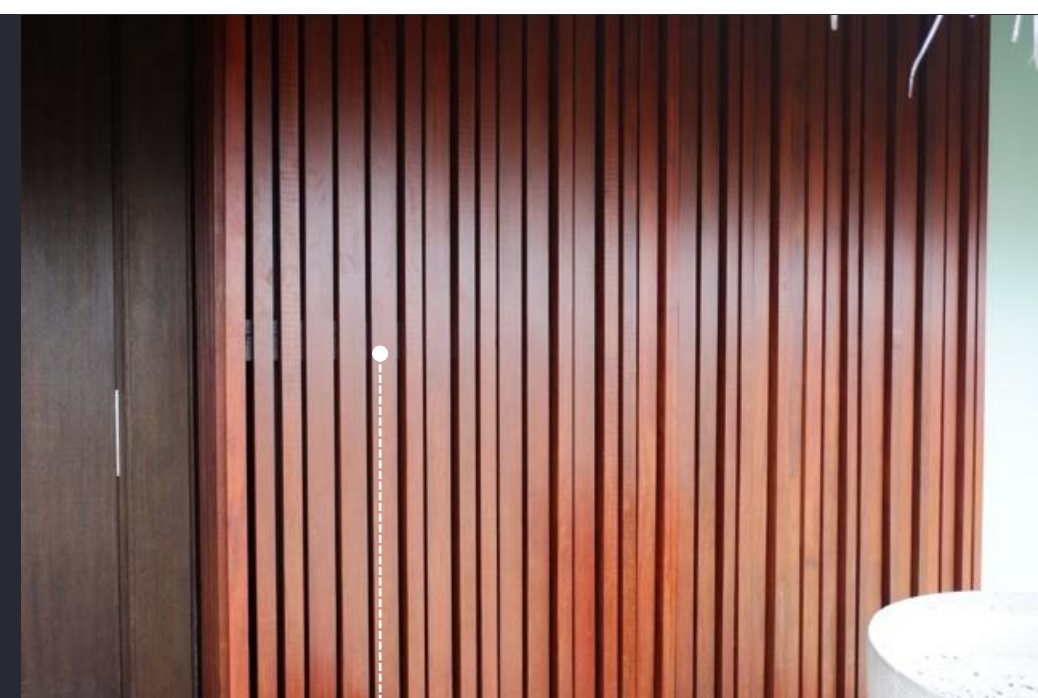
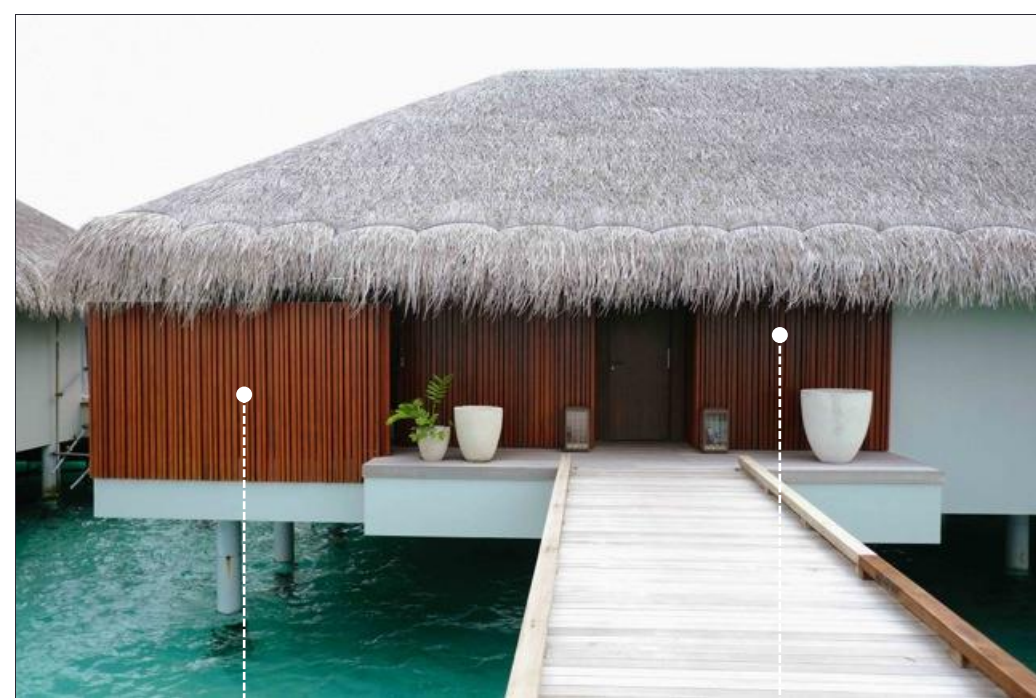
Cement Board wall cladding



Timber WALLS



Vertical timber slatted wall cladding



Photos from Fushivelavaru Resort – Maldives

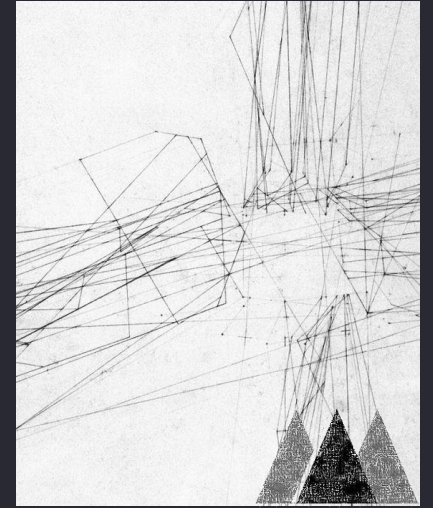
Vertical timber slatted wall cladding

Photos from Reethi Raa Resort – Maldives

Timber WALLS

Horizontal timber
t&g wall cladding





Ceiling

Grooved Ceiling Plyboard

Grooved Ceiling Plyboard



Timber CEILING

Natural Wallpaper on Plywood

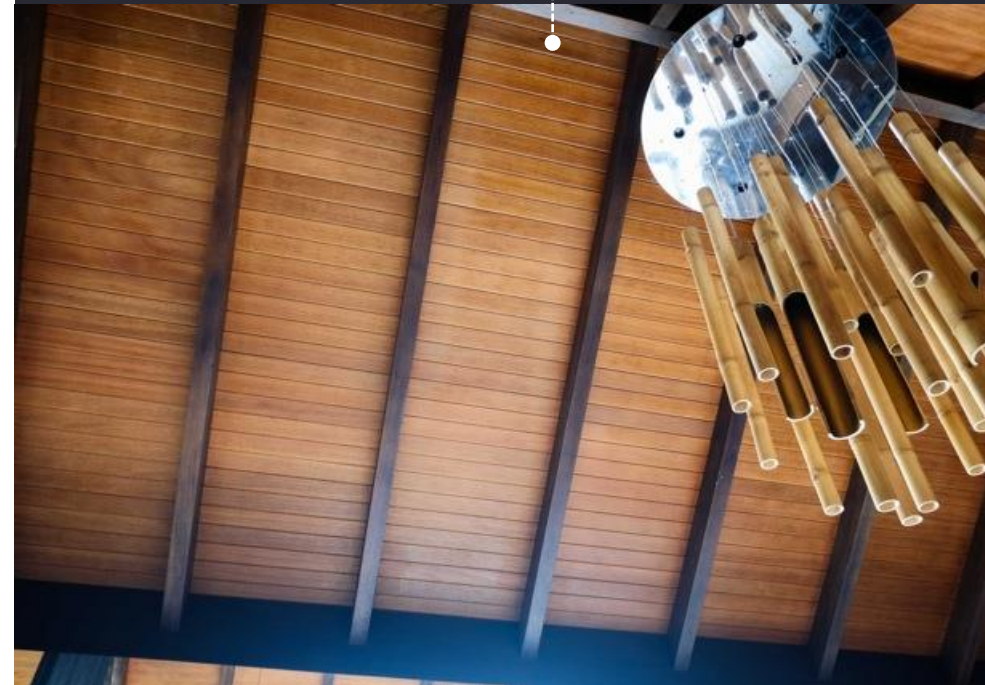
Sunboard on exterior



Timber --- CEILING

Sunboard Ceiling Board

Sunboard Ceiling Board



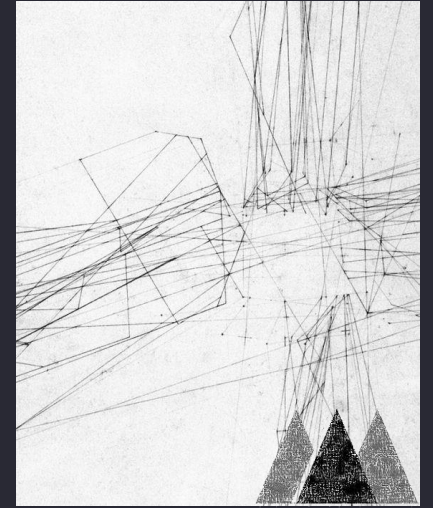
Timber CEILING

Photos from
Constance Halaveli Resort – Maldives

Photos from
Shangri-La Resort – Maldives

Sunboard
Ceiling Board





Roof



Timber Shingles

Photos from
Ani Villas Sri Lanka – Maldives



Photos from
Thudufushi Resort – Maldives

Timber ROOF

Timber Main Rafters & Purlins

Bamboo Rafters

Cadjan Roof Finish



Timber --- ROOF

Timber Main Rafter & Purlins

Bamboo Rafter

Cadjan Roof Finish



Primary Timber Fascia
Bamboo Kick Rafter

Timber ROOF

Exposed Cadjan Ceiling Finish with Bamboo Rafter



Timber ROOF

Timber ROOF

1 Roof Ridge



Rafters 4

2 Rafters



Wall Paper
Ceiling Finish 5

3 Rafters



Plywood
Base 6



7 Thermal Insulation



8 Waterproofing



9 Synthetic Thatch

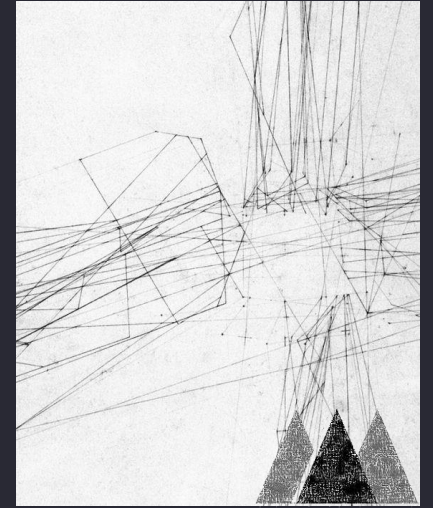


Timber ROOF

Natural Wall Paper on Plywood Base
and Exposed Timber Rafters



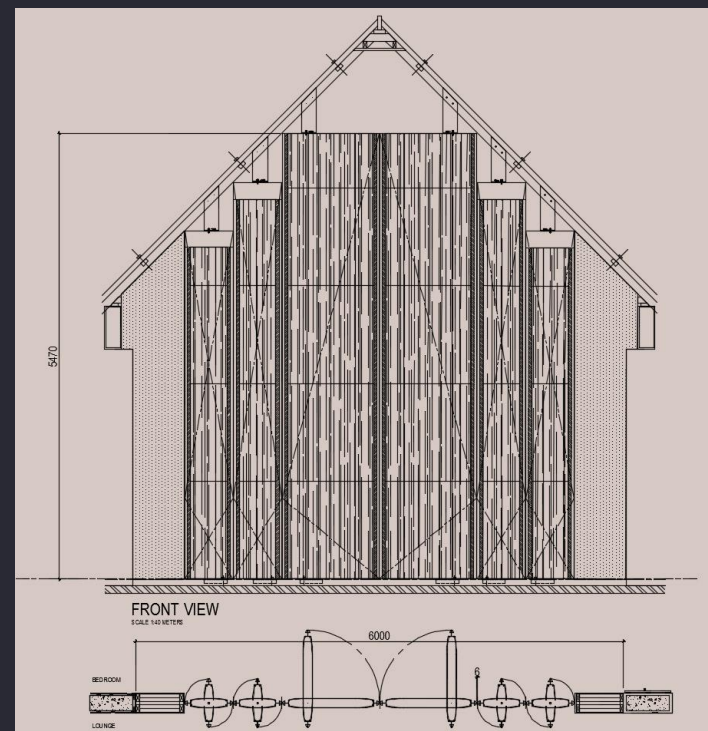
Timber ROOF



Doors and Windows



5.5 meter high,
pivoted timber
pivot feature door



Feature Door Sketch

5.5 meter wide, timber framed sliding
stacking glazed door

Timber DOORS AND WINDOWS

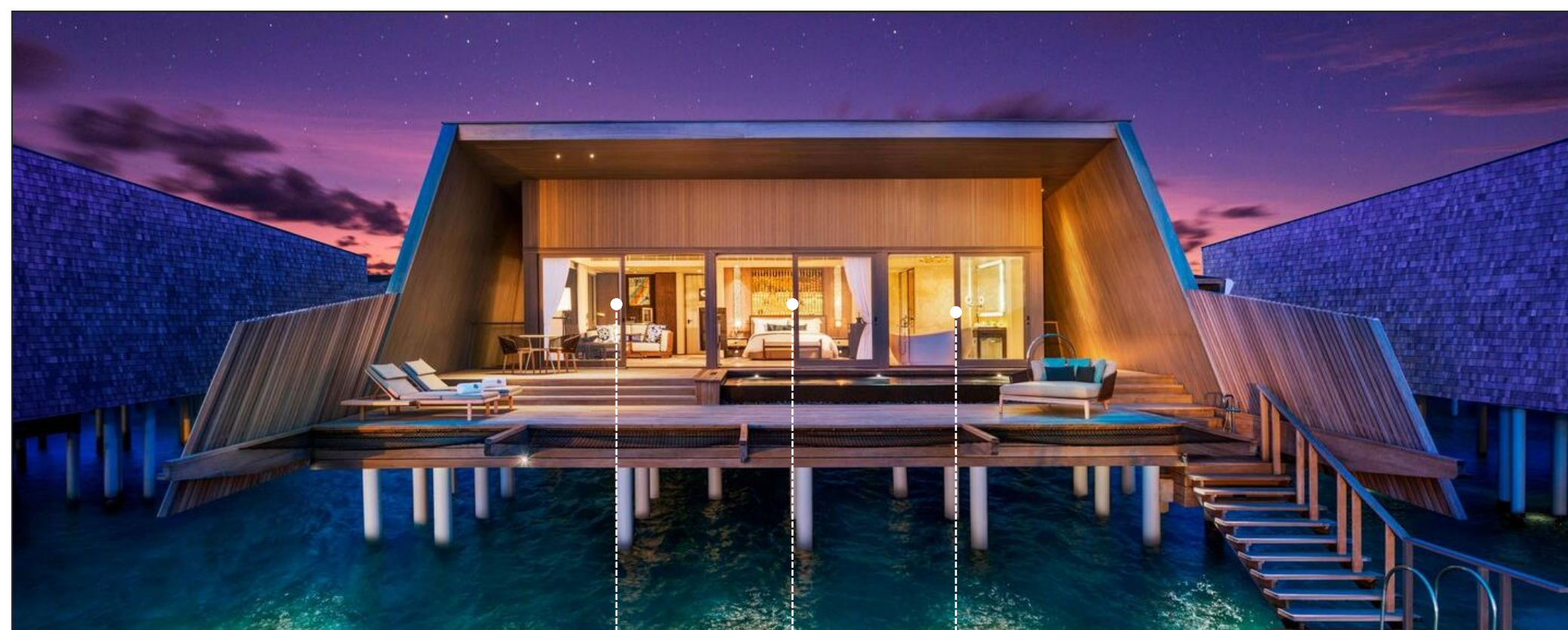


Solid timber sliding folding
louvered door

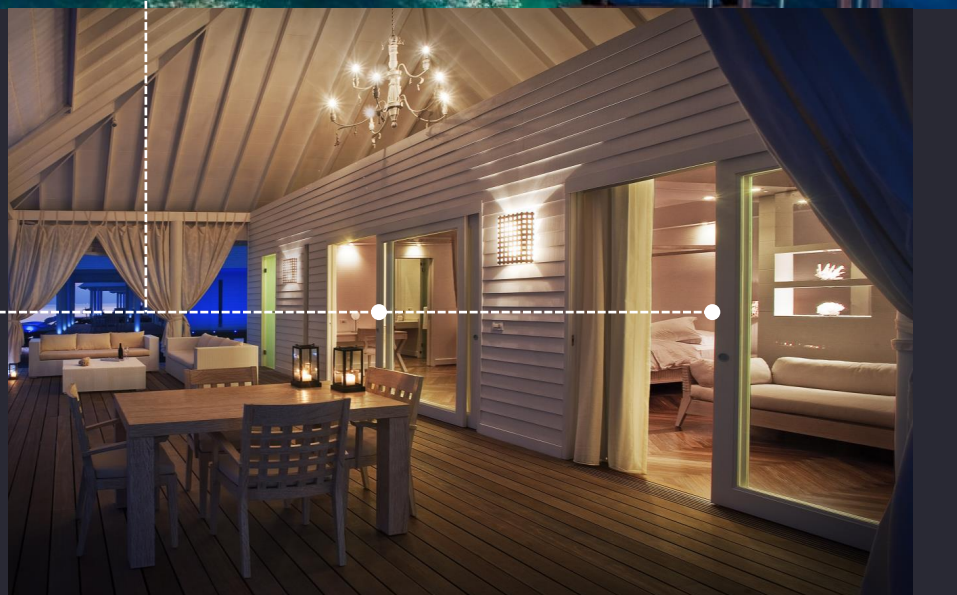
Two-storey high solid timber
sliding folding louvered door

Timber DOORS AND WINDOWS

Timber DOORS AND WINDOWS

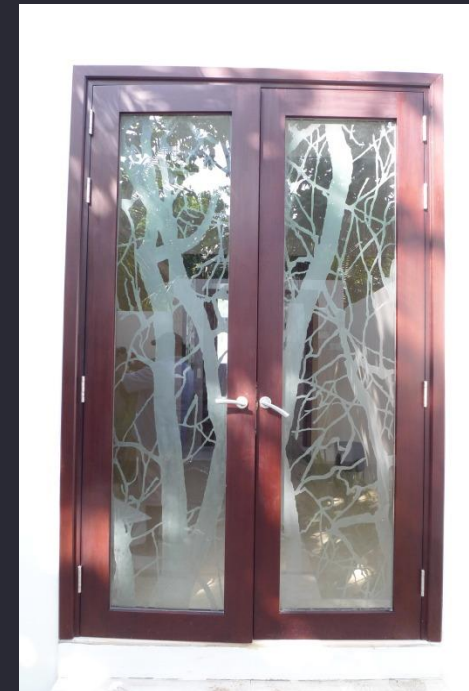


Timber Framed
Sliding Glazed
Door





Various Customized Design of Solid or Engineered Timber Swing Door



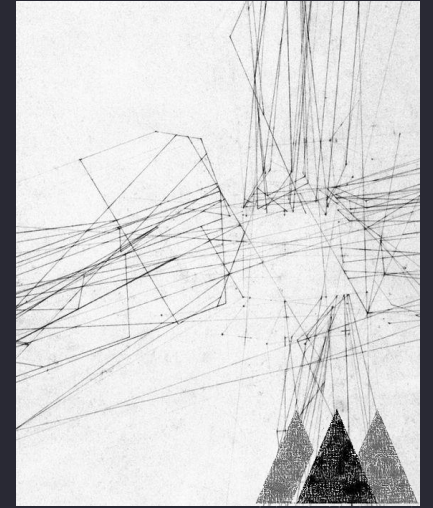
Timber DOORS AND WINDOWS

Various Customized Design of
Timber Windows

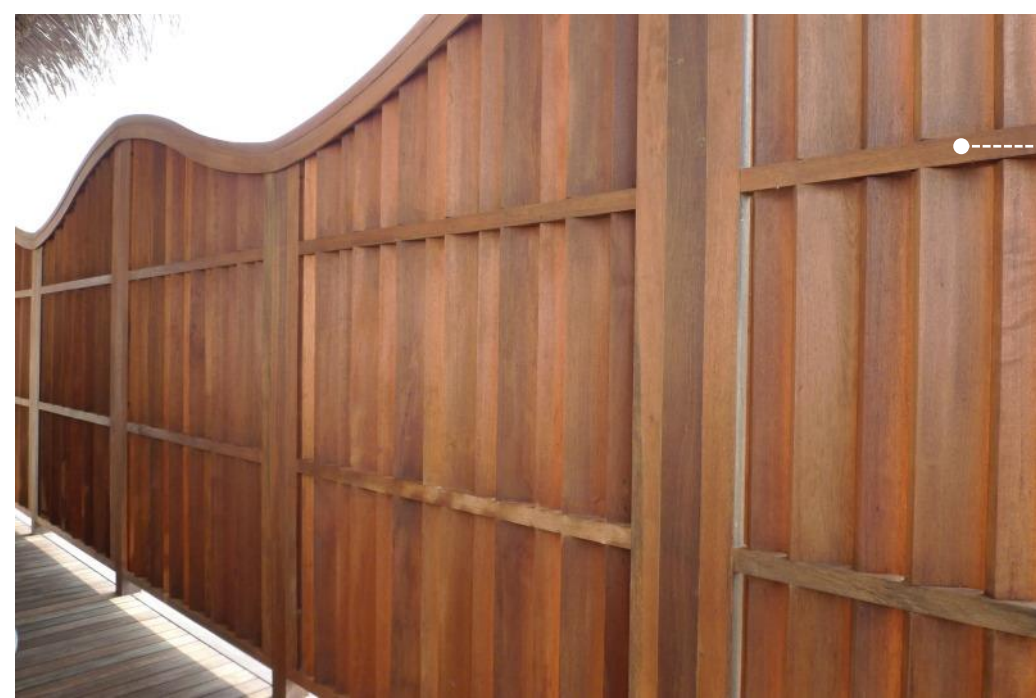


Timber DOORS AND WINDOWS





Privacy Screens

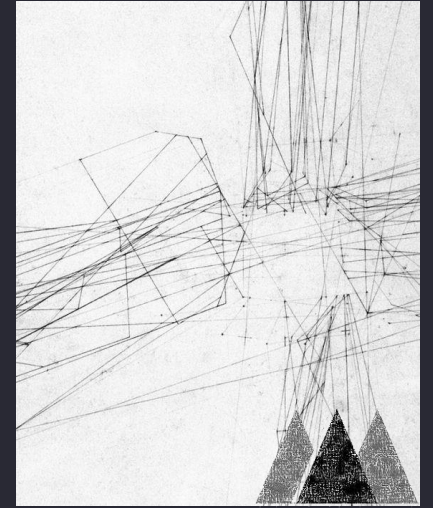


Solid Timber Privacy Screen With
Curve Top Rail

Solid Timber Privacy Screen V



Timber PRIVACY SCREENS



Other
Customised
Timber
Products



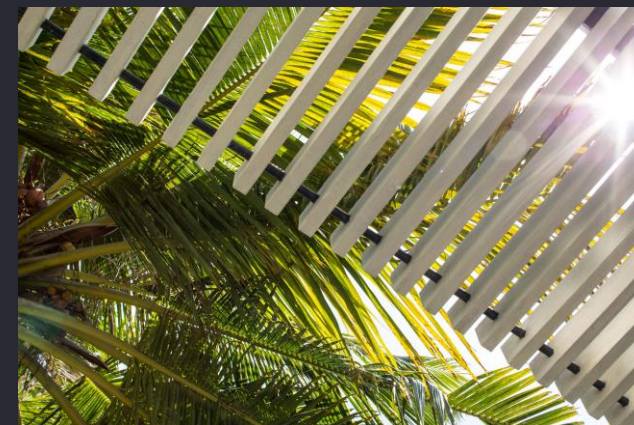
Timber Trellis with Aluminum Rod



Long Span Timber Trellis



Timber Trellis



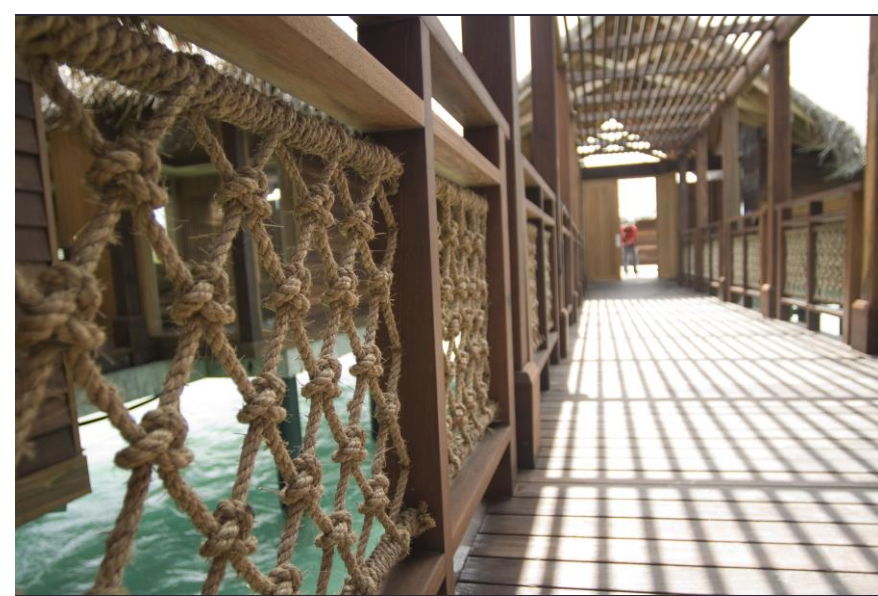
Timber Trellis with Aluminum Rod

Timber TRELLIS



5 Meter span Trellis
with Metal I-Beam

Timber TRELLIS



Timber RAILINGS

Timber Railing with Weaved Manila Rope Feature Netting
Photos from Shangri-La Resort, Maldives

Timber Railing with Vertical Timber Balustrade
Photos from Ani Villas, Sri Lanka

Timber Railing with Profiled Vertical Timber Balustrade
Photos from Constance Ephelia Resort - Seychelles

Profiled Solid Timber Cantilever Beam



Photos from
Reethi Raas Resort - Maldives

Photos from
Shangri-La Resort - Maldives



Timber CANTILEVER BEAM AND SUN NETTING

Acoustic Slatted
Timber Ceiling Panels

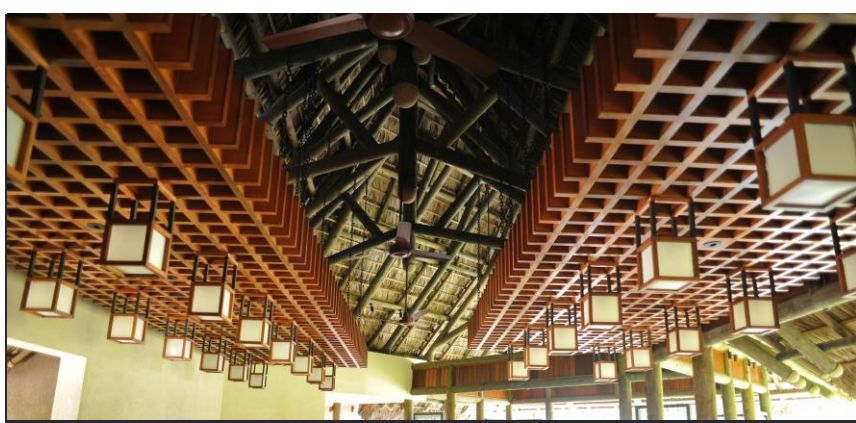
Timber CEILING PANELS



Restaurant Accent Ceiling Feature – Hangings
Bamboo Sticks on tubular metal framing



Timber ACCENT CEILING FEATURE



Restaurant Accent Ceiling Feature - Criss-cross timber hanging ceiling panels

Concept by Project Interior Designer.
Supply by Borneo Benar.

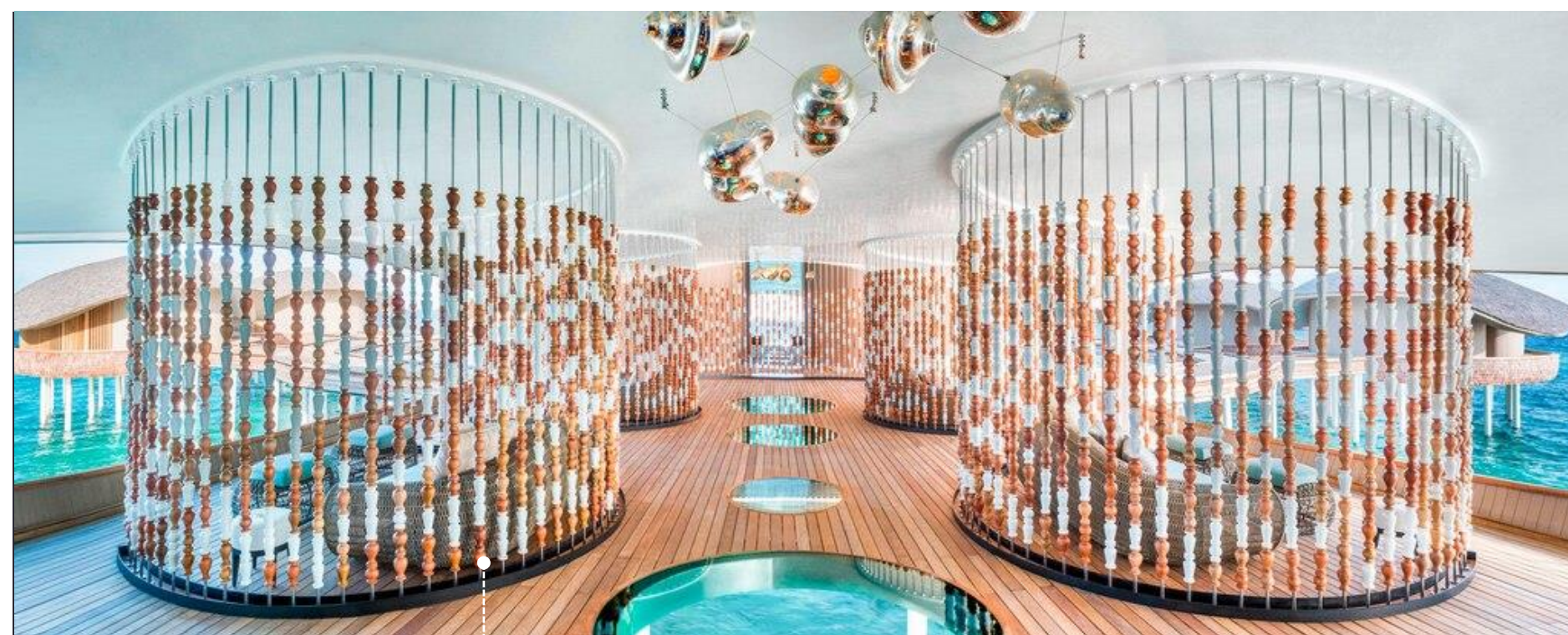


Timber Poles with
Weaved Brass Panels

Concept by Project Interior Designer.
Supply by Borneo Benar.

Composite WALL ACCENT





Spa Main Building

Decorative Timber
Vases on Stainless
Steel Poles



Decorative Timber
Vases on Stainless
Steel Poles

VIP Waiting Room

Concept by WOW Architects, Singapore.
Supply and Install by Borneo Benar.

Timber WALL PARTITION

THANK YOU

REPRESENTED BY LUCKXUS RESORTS IN THE
AMERICAS

BORNEO BENAR SDN. BHD.
KM. 25 OFF JALAN TUARAN,
MAKESON TIMBER COMPLEX, TELIPOK
88996 KOTA KINABALU, SABAH MALAYSIA

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FAX NO. +60 88 492 841

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