

A detailed architectural floor plan of a long, narrow building, likely a portico, is shown in a light grey color. The plan includes various rooms, corridors, and structural elements. A compass rose is visible in the upper left corner of the plan. The text 'HERITAGE PRESERVATION YANGON' is overlaid on the left side of the plan.

**HERITAGE  
PRESERVATION**  
YANGON

THE CONSERVATION OF THE STRUCTURE

**HERITAGE**



- SCE PROJECT IS A GLOBAL, MULTIDISCIPLINARY ARCHITECTURE AND ENGINEERING FIRM OFFERING FULL-SERVICE DESIGN AND MANAGEMENT SERVICES TO PROVIDE INTELLIGENT SOLUTIONS TO CHALLENGING PROBLEMS.
- A MULTIDISCIPLINARY APPROACH TO GUARANTEE THE MOST EFFICIENT RESULTS
- A GREAT TEAM OF PROFESSIONALS

# ABOUT US

## SCE PROJECT





■ Stefano De Cerchio - Founder & Partner



■ Manuela Fantini - Founder, Partner & Chairperson



■ Luigi Campanale- CEO SCE ASIA



■ Fabrizio Bozzi - Founder & Partner



■ Roberto Casartelli - CEO SCE Rome



■ Kim Groves - CEO SCE USA



- SCE WORLDWIDE
- MORE THAN 800 PROJECTS IN ITALY AND ABROAD
- QUALITY MANAGEMENT UNI EN ISO 9001:2015



+100 staff members



# ABOUT US

## KEY PEOPLE





■ STRUCTURAL ENGINEERING



■ ARCHITECTURAL DESIGN



■ INFRASTRUCTURE



■ PROJECT & SITE MANAGEMENT



■ GEOTECHNICAL ENGINEERING



■ BIM & DATA MANAGEMENT

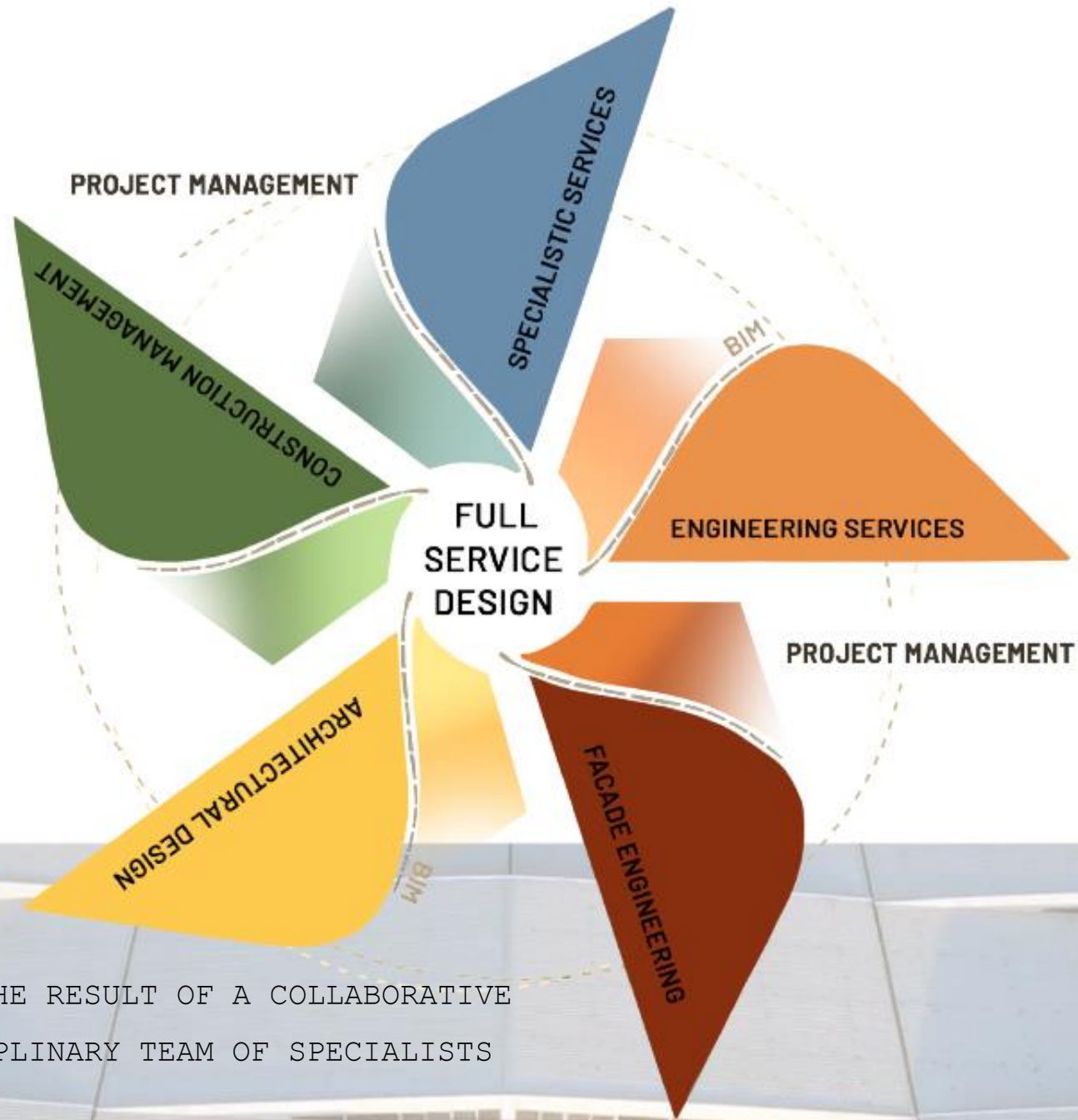


■ RESTORATION

- TOOLS & METHOD PROFICIENCY IN USING THE BEST TOOLS TO ENSURE AN INTEGRATED APPROACH TO DESIGN
- TAILORED SOLUTIONS THROUGHOUT THE CYCLE LIFE OF EACH PROJECT
- PARTNERS SCE'S NETWORK OF PROFESSIONALS TO OFFER A FULL SERVICE OF THE HIGHEST STANDARD

# ABOUT US SERVICES





- FULL SERVICE DESIGN IS THE RESULT OF A COLLABORATIVE APPROACH BY A MULTIDISCIPLINARY TEAM OF SPECIALISTS WITH COMMON OBJECTIVES.

**ABOUT US**  
SERVICES





# ABOUT US

MAIN

PROJECTS

## ENI HEADQUARTER

Place San Donato (MI) // Client Eni Servizi SpA

Value of works 165 Mio EUR // Architecture Morphosis

Project phase 2014 - Under construction





# ABOUT US

# MAIN PROJECTS

## ROMA STADIUM

Place Roma // Client Stadio della Roma TDV S.p.A

Value of works 300 Mio EUR // Project phase 2015 / 2018

Architecture MEIS Architects





# ABOUT US

## MAIN PROJECTS

EX MICHELIN AREA

Place Trento // Client Colombo Costruzioni

S.p.A./Castello SGR

Value of structural works 90 Mio EUR //

Phase 2008 / 2011

Architecture RPBW Renzo Piano Building





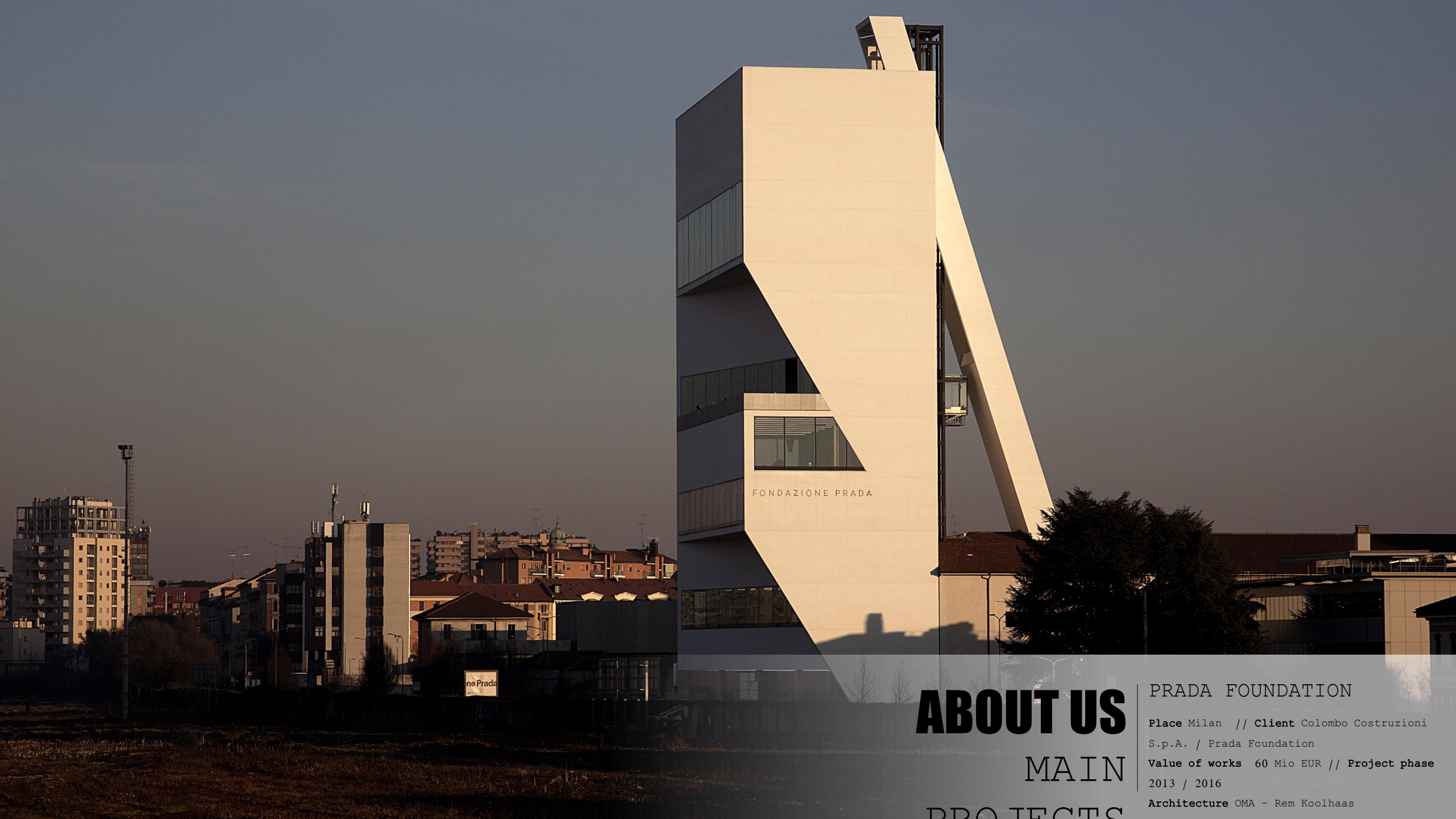
# ABOUT US

## MAIN

## PROJECTS

CANOUAN HOTEL &  
RESIDENCE  
Place Canouan Island // Client C.C.A. Limited  
Value of works 130 Mio EUR  
Architecture C.C.A. Limited  
Project phase 2010 / 2014





FONDAZIONE PRADA

# ABOUT US

## MAIN

## PROJECTS

### PRADA FOUNDATION

Place Milan // Client Colombo Costruzioni S.p.A. / Prada Foundation

Value of works 60 Mio EUR // Project phase 2013 / 2016

Architecture OMA - Rem Koolhaas





# ABOUT US

## MAIN

## PROJECTS

CASCINA MERLATA

Place Milan // Value of works 135 Mio EUR

Client Intertecno S.p.A./Euromilano S.p.A.

Project phase 2013 - Under construction

Architecture MC A / CZA / Technoarch / B22 /

P-U-R-A / C+S Associati





# ABOUT US

## RESTORATION

**ANSALDO 16**

**Place** Milan // **Client** PIRELLI & C. PROJECT MANAGEMENT S.p.A.

**Value of works** 16 Mio EUR // **Project phase** 2007

**Architecture** LCA Studio Luca Clavarino Architect





# ABOUT US

## RESTORATION

FABBRICA DEL VAPORE

Place Milan // Client Municipality of Milan

// Value of works 15 Mio EUR // Project

phase 2007 / 2009 // Architecture arch.

Emilio Premarini





# ABOUT US

## RESTORATION

EX HOTEL DUOMO

Place Milan // Client Sviluppo Immobili  
Milano Centro S.r.l.

Value of structural works 3 Mio EUR //  
Project phase 2013 / 2015

Architecture Arch. Paolo Asti





# ABOUT US

## RESTORATION

VILLA REALE

Place Monza // Client Italiana Costruzioni S.p.A.

Value of works 20 Mio EUR // Project phase 2013-2014

Architecture Infrastrutture Lombarde





# ABOUT US

## RESTORATION

KURSAAL

Place San Pellegrino Terme // Client S.P.  
Resort S.r.l.

Value of structural works 5 Mio EUR //  
Project phase 2010 / 2013

Architecture Arch. Tobia Scarpa / Arch.  
Mauro Piantelli





TEATRO

TEATRO

# ABOUT US

## RESTORATION

FRANCO PARENTI THEATER  
Place Milan // Client Pirelli RE S.p.A. /  
Fondazione Pier Lombardo // Value of  
structural works 3 Mio EUR // Project phase  
2005 / 2007 // Architecture aMDL arch.  
Michele De Lucchi





MERCATI  
GENERALI

BURTON

# ABOUT US RESTORATION

EX MERCATI GENERALI  
AREA  
Piazza Roma // Client S.C.C. Italia / La  
Società generale Immobiliare Italia 7 S.r.l.  
// Value of works 250 Mio EUR // Project  
phase 2016 - Under Construction //  
Architecture Chapman Taylor Architetti





# ABOUT US

## RESTORATION

HOTEL LE SERENO

Place TORNO (CO) // Client Le Sereno  
Lago di Como S.r.l

Value of works 23 Mio EUR // Project phase  
2014 / 2016

Architecture Arch. Patricia Urquiola -





# ABOUT US

## RESTORATION

SAN PELLEGRINO HOTEL &  
SPA  
Place SAN PELLEGRINO TERME (BG) // Client  
S.P. Resort S.r.l.

Value of works 15 Mio EUR // Project phase  
2011 / 2013

Architecture De8 Associati





# ABOUT US

## RESTORATION

HOTEL EDEN

Place ROME // Client Dorchester Group Limited

Value of works 33 Mio EUR // Project phase 2015 / 2017

Architecture GLA Genius Loci Architettura / Interior designer: Bruno Moinard / Jouin





# ABOUT US RESTORATION

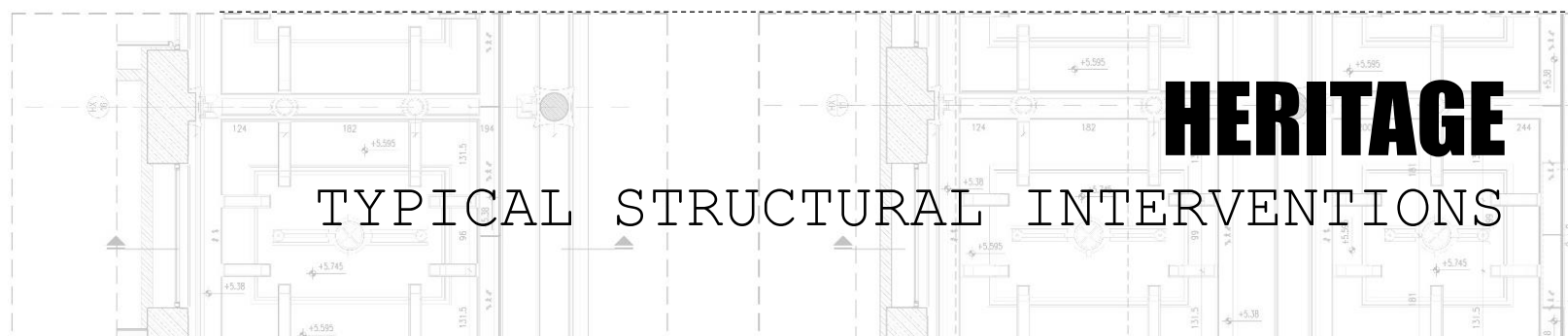
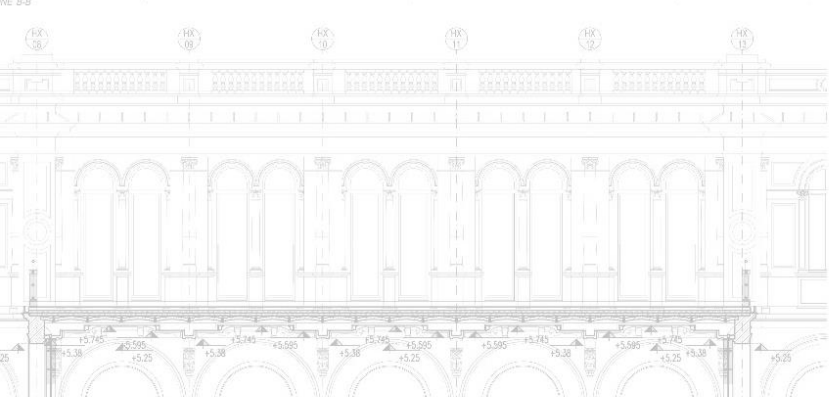
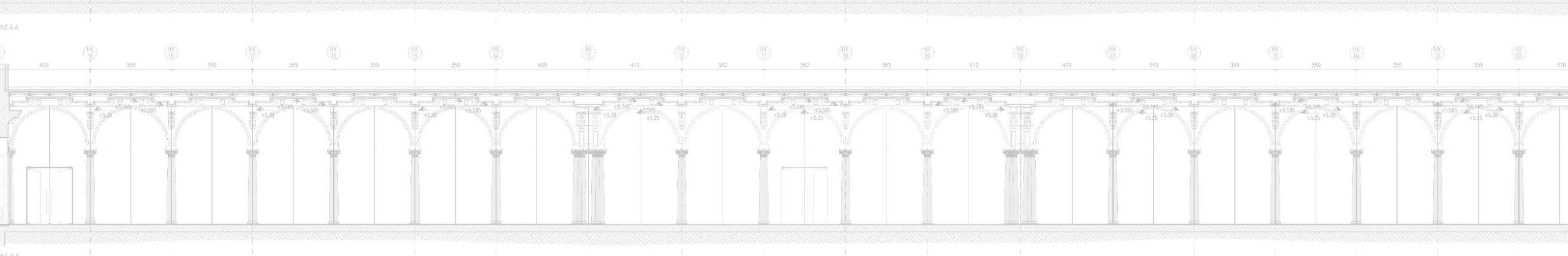
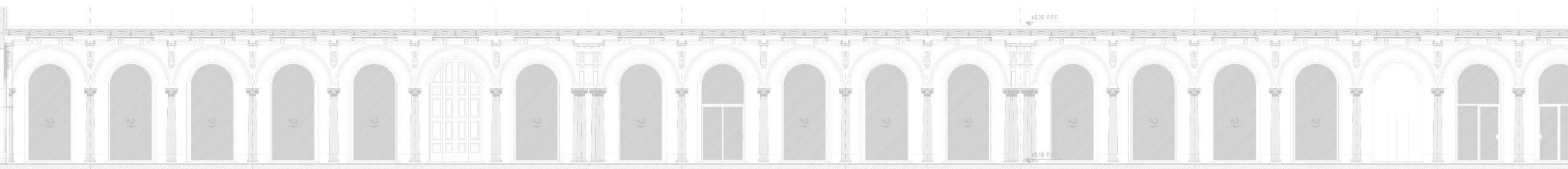
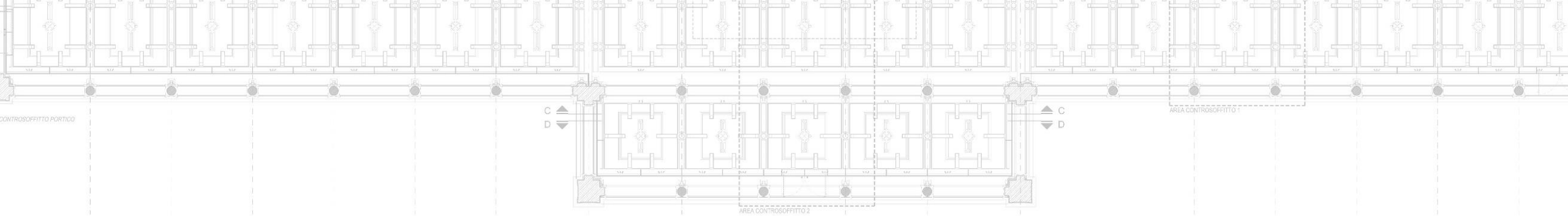
HOTEL MANDARIN ORIENTAL

Place VIA MONTE DI PIETÀ, MILAN // Client Statuto S.p.A./Regent Property S.r.l.

Value of works 50 Mio EUR // Project phase 2009 / 2011

Architecture Antonio Citterio & Partners





**HERITAGE**  
TYPICAL STRUCTURAL INTERVENTIONS

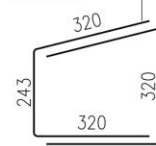




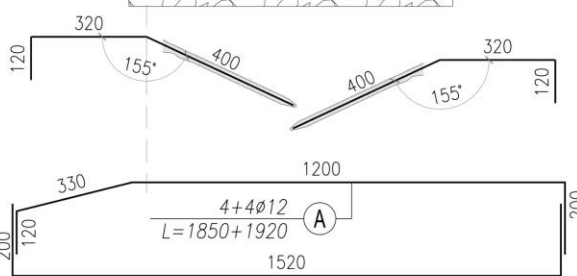
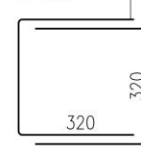
WATERPROOF MEMBRANE CUSPIDAL IN HIGH DENSITY POLYETHYLENE (HDPE), WITH TENSILE STRENGTH > 17kN/m, COUPLED BY HEAT SEALING TO A NONWOVEN GEOTEXTILE IN POLYPROPYLENE (PP) WITH 180g/mq, FOR REALIZATION OF A GEOCOMPOSITE FILTER/DRAIN/WATERPROOF, OF THE TOTAL WEIGHT OF 1400g/mq /  
 MEMBRANA IMPERMEABILE CUSPIDATA IN POLIETILENE AD ALTA DENSITÀ (HDPE), CON RESISTENZA A TRAZIONE > 17 KN/M, ACCOPPIATA PER TERMOSALDATURA AD UN GEOTESSILE NON TESSUTO IN POLIPROPILENE (PP) DA 180 G/M<sup>2</sup>, PER LA REALIZZAZIONE DI UN GEOCOMPOSITO FILTRO/DRENO/IMPERMEABILE, DEL PESO COMPLESSIVO DI 1400 G/M<sup>2</sup>

GROUTING REBAR 2Ø16/500 IN HOLE Ø30mm WITH RESIN HILTI HY270 ON MASONRY HILTI HY170 ON CONCRETE /  
 INGHIASARE BARRE DI ARMAURA 2Ø16/500 IN FORO Ø30mm CON RESINA HILTI HY270 SU MURATURA, RESINA HY170 SU CALCESTRUZZO

st.Ø12/200  
 L=883+960



st.Ø10/100  
 L=960

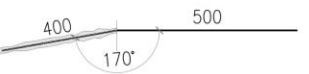


GROUTING REBAR Ø16/500 IN HOLE Ø30mm WITH RESIN HILTI HY270 /  
 INGHIASARE BARRE DI ARMAURA Ø16/500 IN FORO Ø30mm CON RESINA HILTI HY270

EXISTING MASONRY /  
 MURATURA ESISTENTE

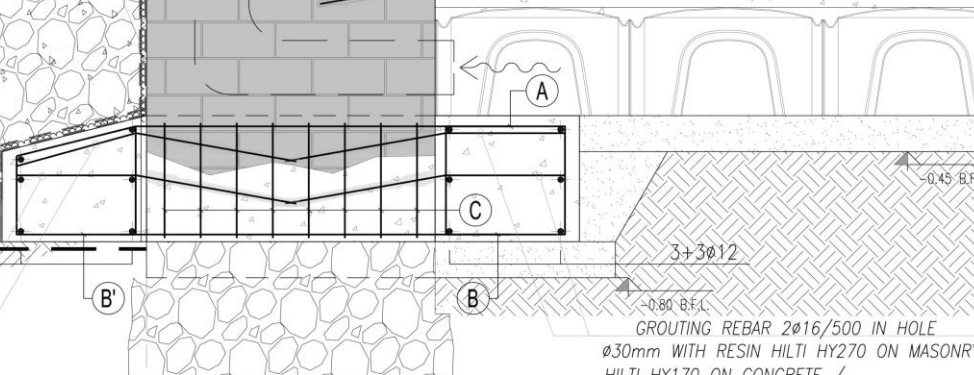
~800

±0.00



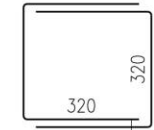
+0.15 F.F.L.

+0.05 R.L.



GROUTING REBAR 2Ø16/500 IN HOLE Ø30mm WITH RESIN HILTI HY270 ON MASONRY HILTI HY170 ON CONCRETE /  
 INGHIASARE BARRE DI ARMAURA 2Ø16/500 IN FORO Ø30mm CON RESINA HILTI HY270 SU MURATURA, RESINA HY170 SU CALCESTRUZZO

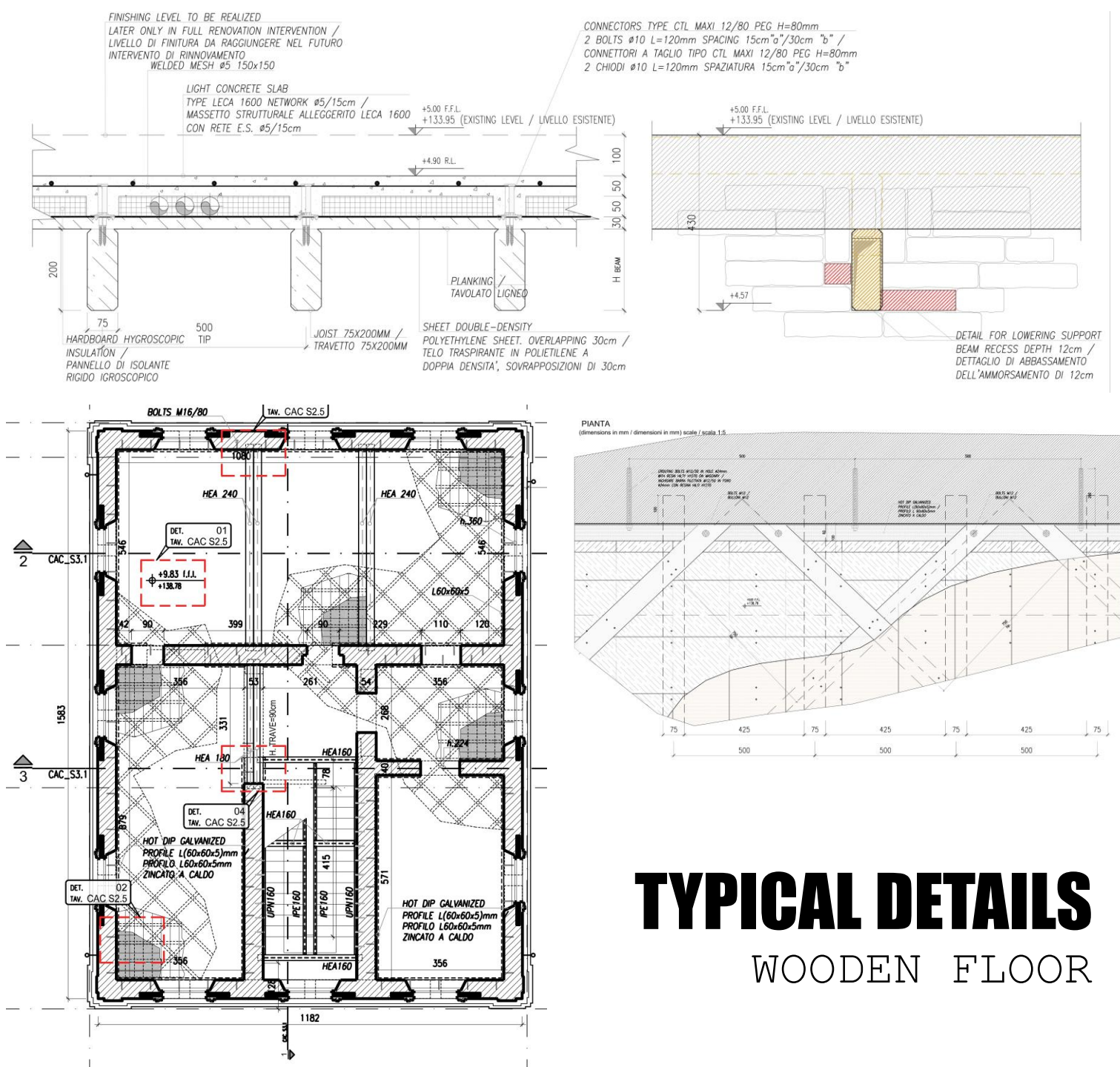
st.Ø12/200  
 L=960



# TYPICAL DETAILS

## FOUNDATIONS

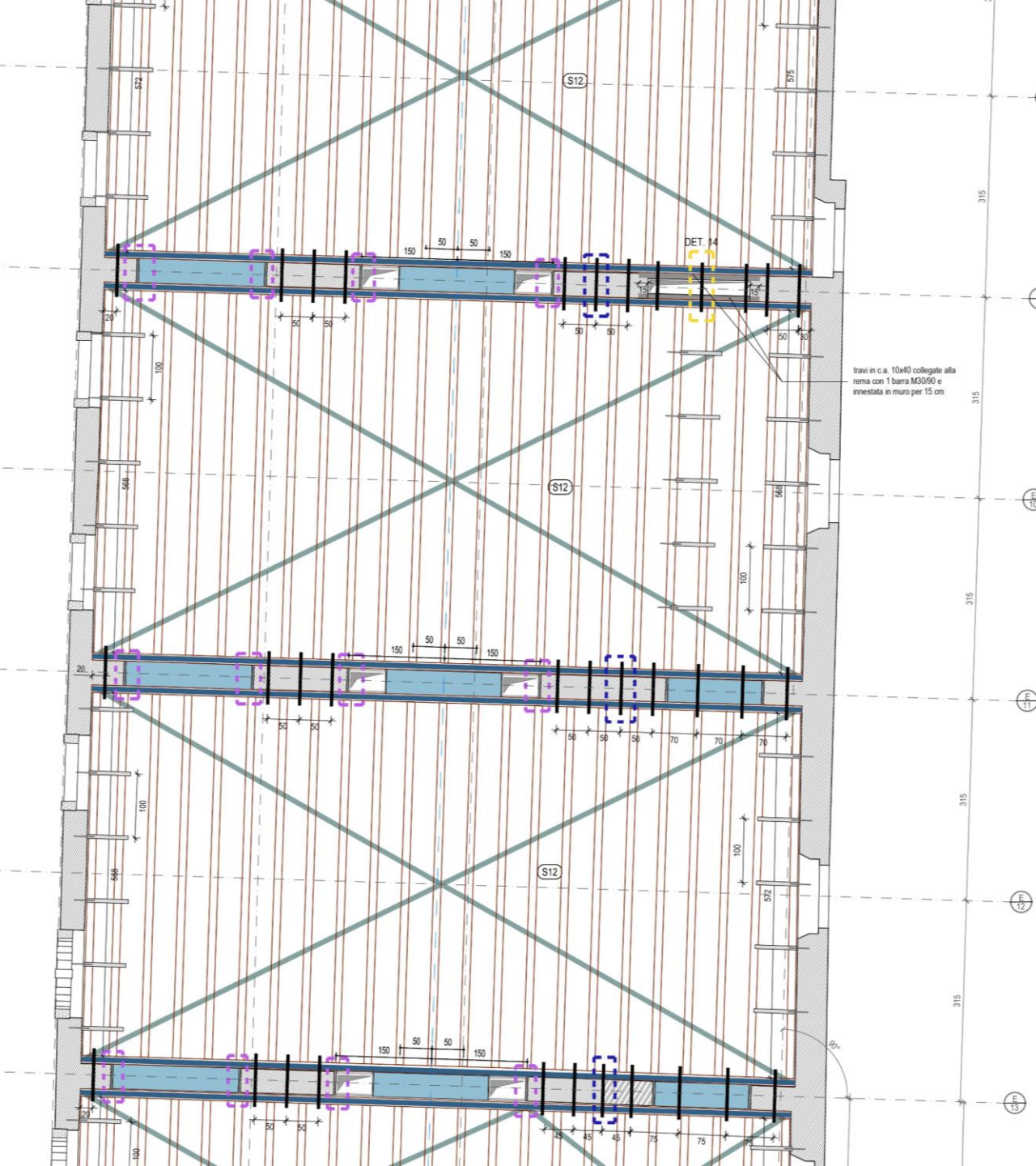




# TYPICAL DETAILS

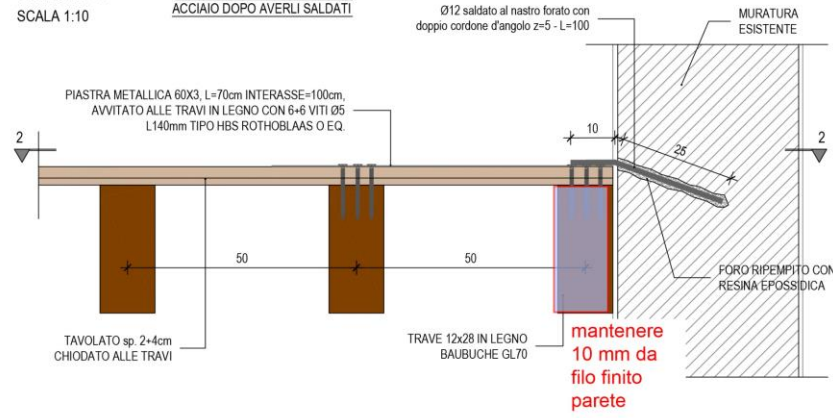
## WOODEN FLOOR



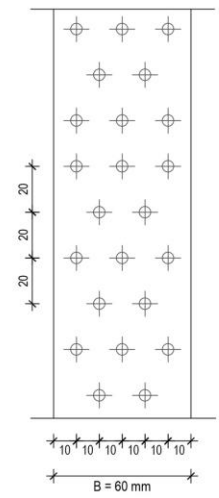


DETTAGLIO -A-  
SEZIONE 1-1  
SCALA 1:10

N.B.: ZINCARE GLI ELEMENTI IN ACCIAIO DOPO AVERLI SALDATI

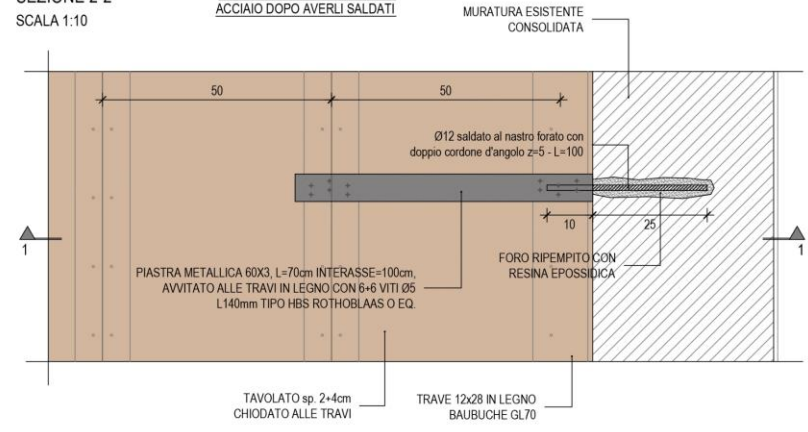


NASTRO FORATO  
SCALA 1:2



DETTAGLIO -A-  
SEZIONE 2-2  
SCALA 1:10

N.B.: ZINCARE GLI ELEMENTI IN ACCIAIO DOPO AVERLI SALDATI



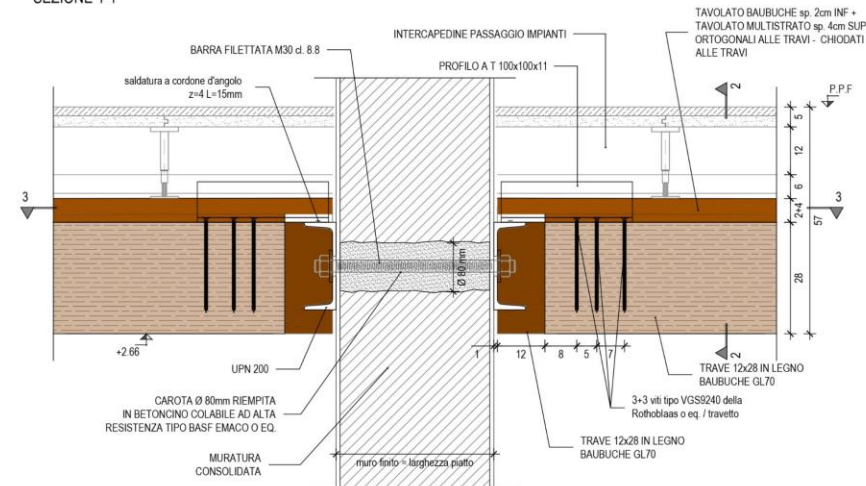
# TYPICAL DETAILS

## WOODEN FLOOR

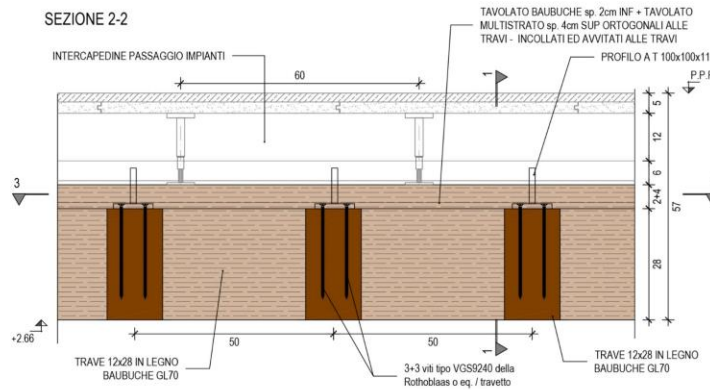


DETTAGLIO 02  
SCALA 1:10

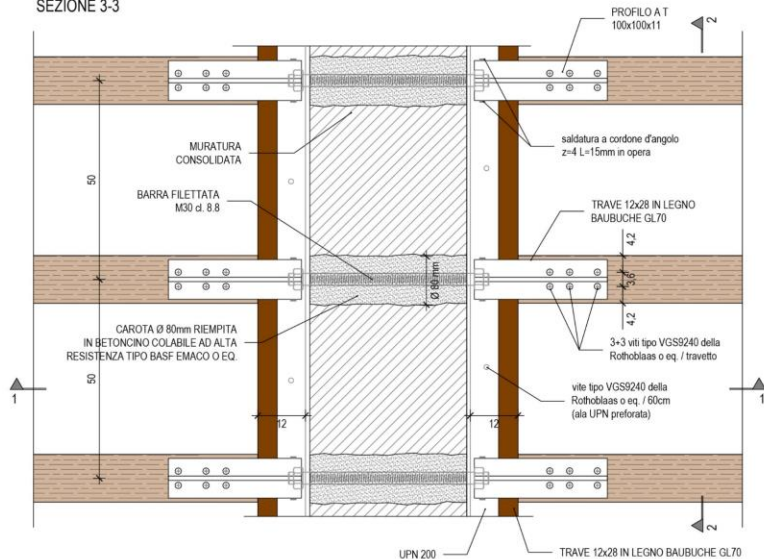
SEZIONE 1-1



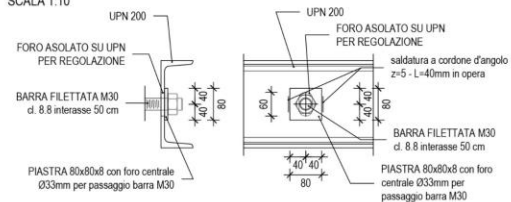
SEZIONE 2-2



SEZIONE 3-3

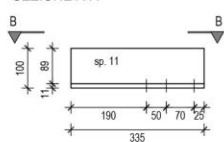


PARTICOLARE CONNESISONE UPN200 - BARRA  
SCALA 1:10

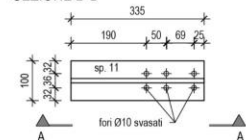


PROFILA A T 100x100x11  
SCALA 1:10

SEZIONE A-A

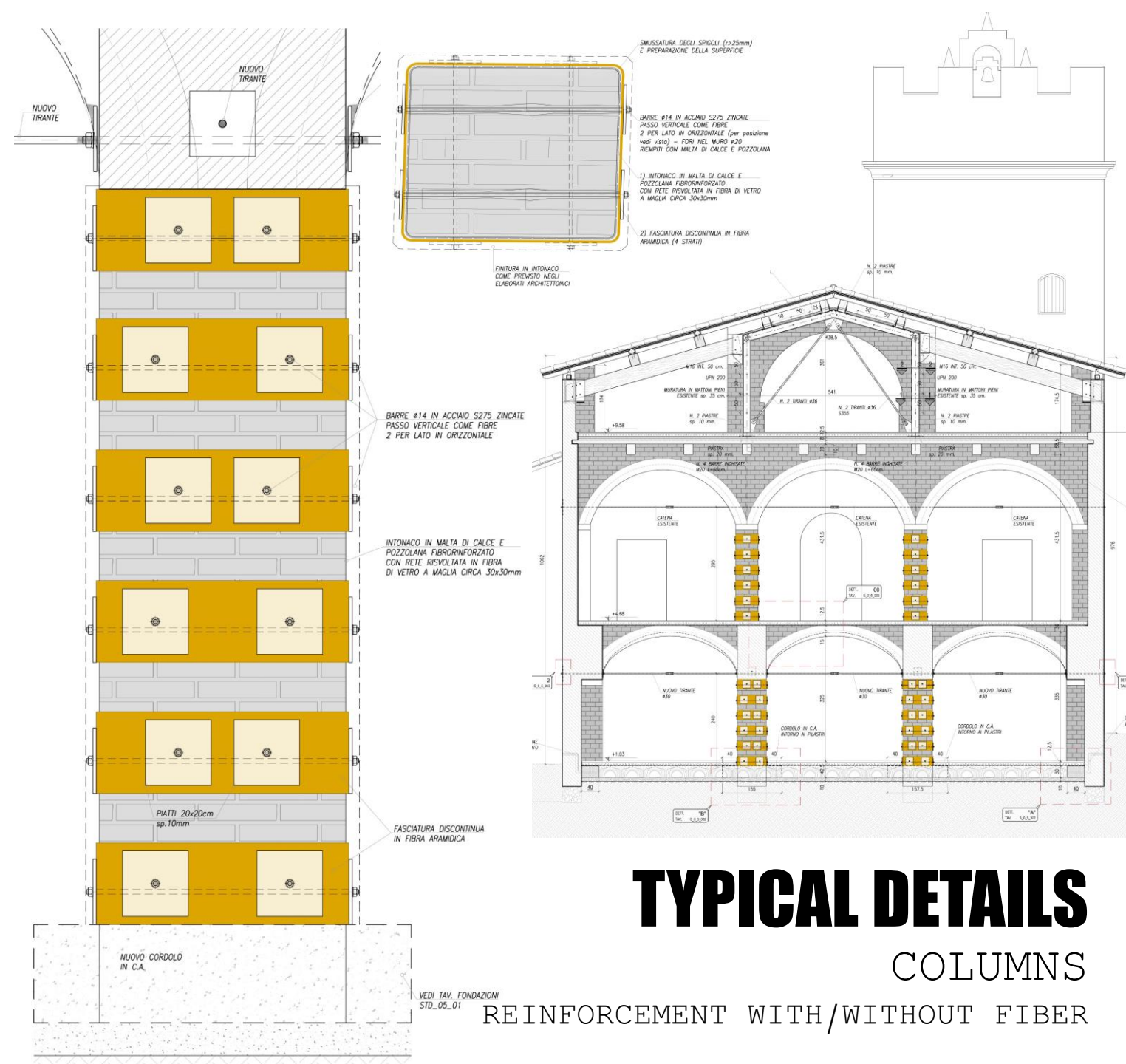


SEZIONE B-B



**TYPICAL DETAILS**  
WOODEN FLOOR







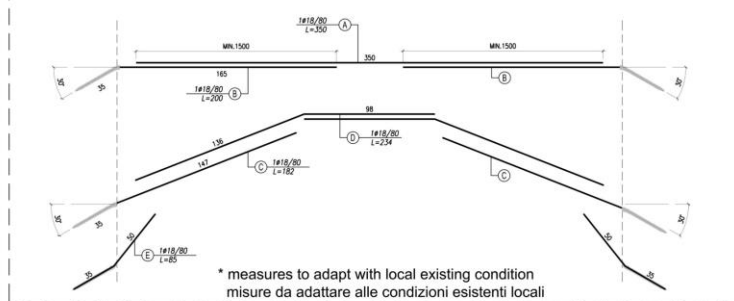
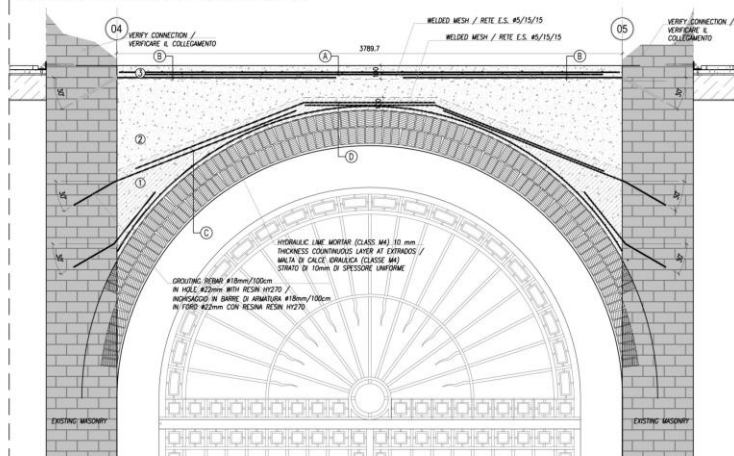






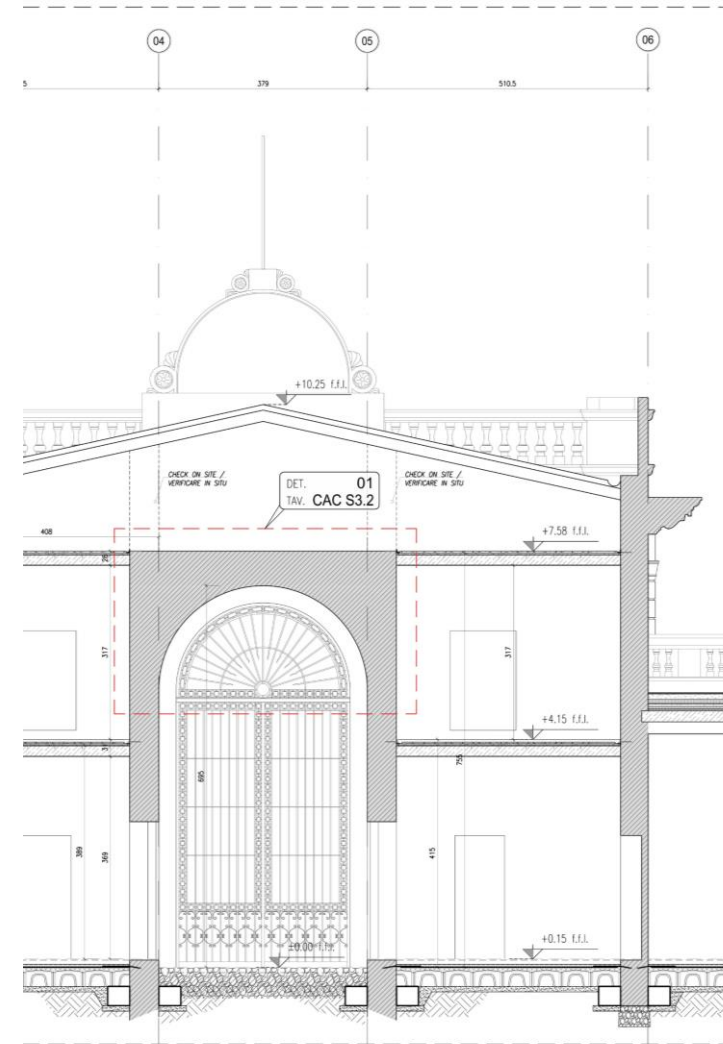
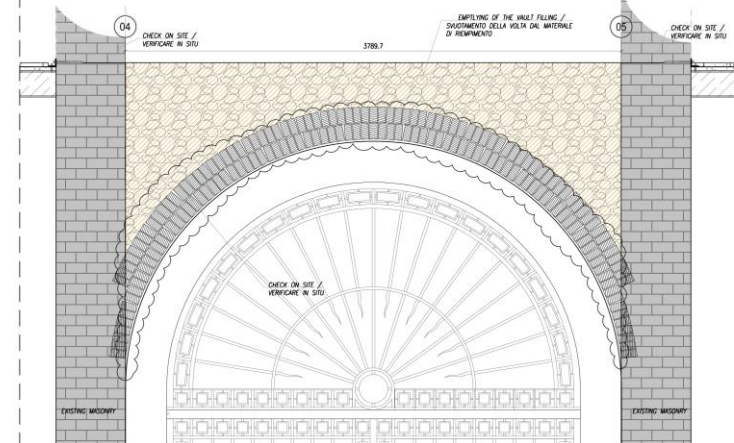
**DETAIL 01 - INTERVENTION ON VAULT**  
**INTERVENTI SU VOLTE**

(dimensions in mm / dimensioni in mm) scale / scala 1:20



**DETAIL 01 - EMPTYING FILLING**  
**RIMOZIONE DEI RIEMPIMENTI**

(dimensions in mm / dimensioni in mm) scale / scala 1:20



**TYPICAL DETAILS**  
 VAULT





MOI

# FOCUS ON

## M9 / VENEZIA MESTRE

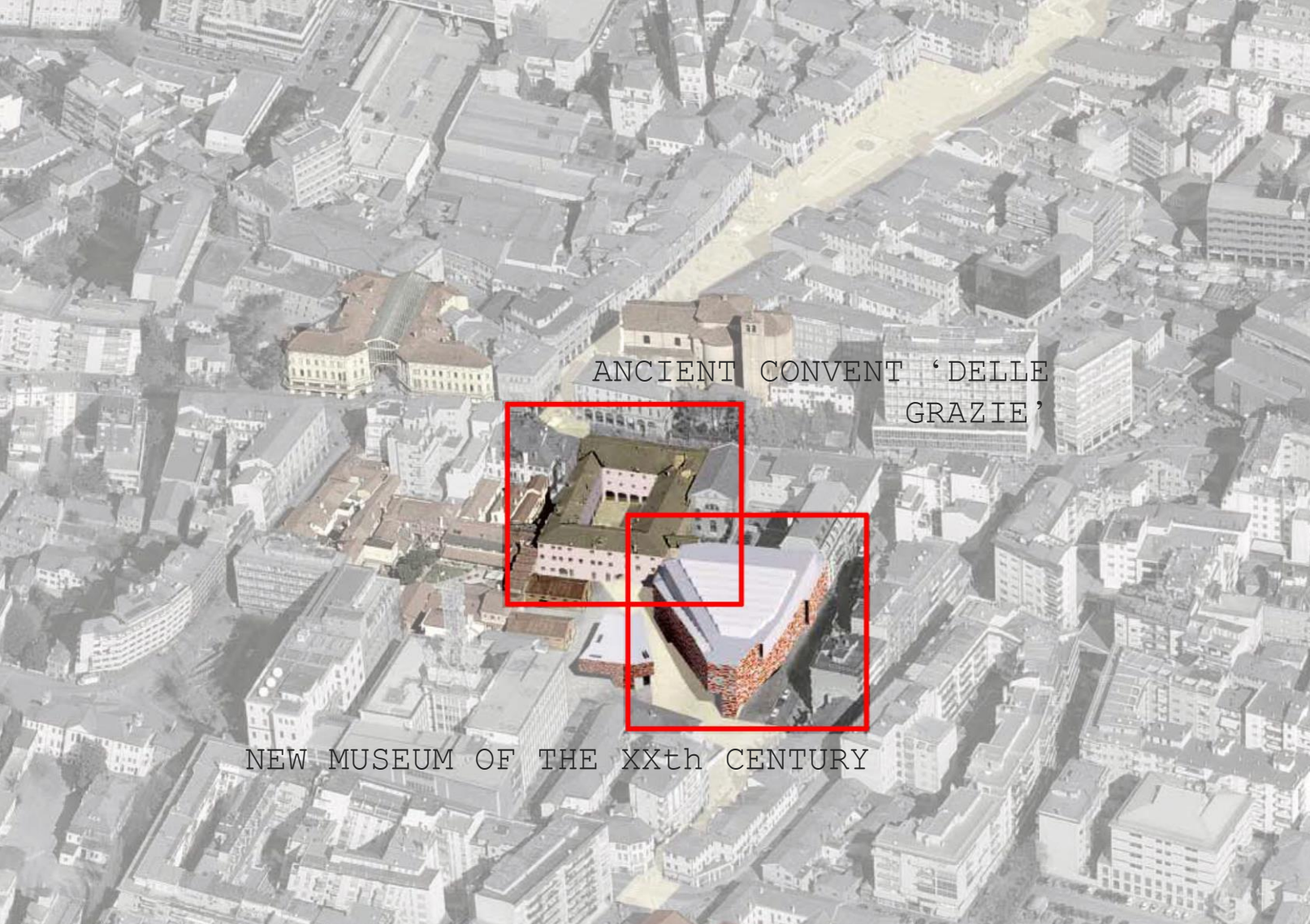
MUSEUM OF THE XXth

CENTURY (VE) // Client Polymnia Venezia / Fondazione Venezia

Value of works 35 Mio EUR // Project phase 2010 / 2018

Architecture Sauerbruch Hutton Architects

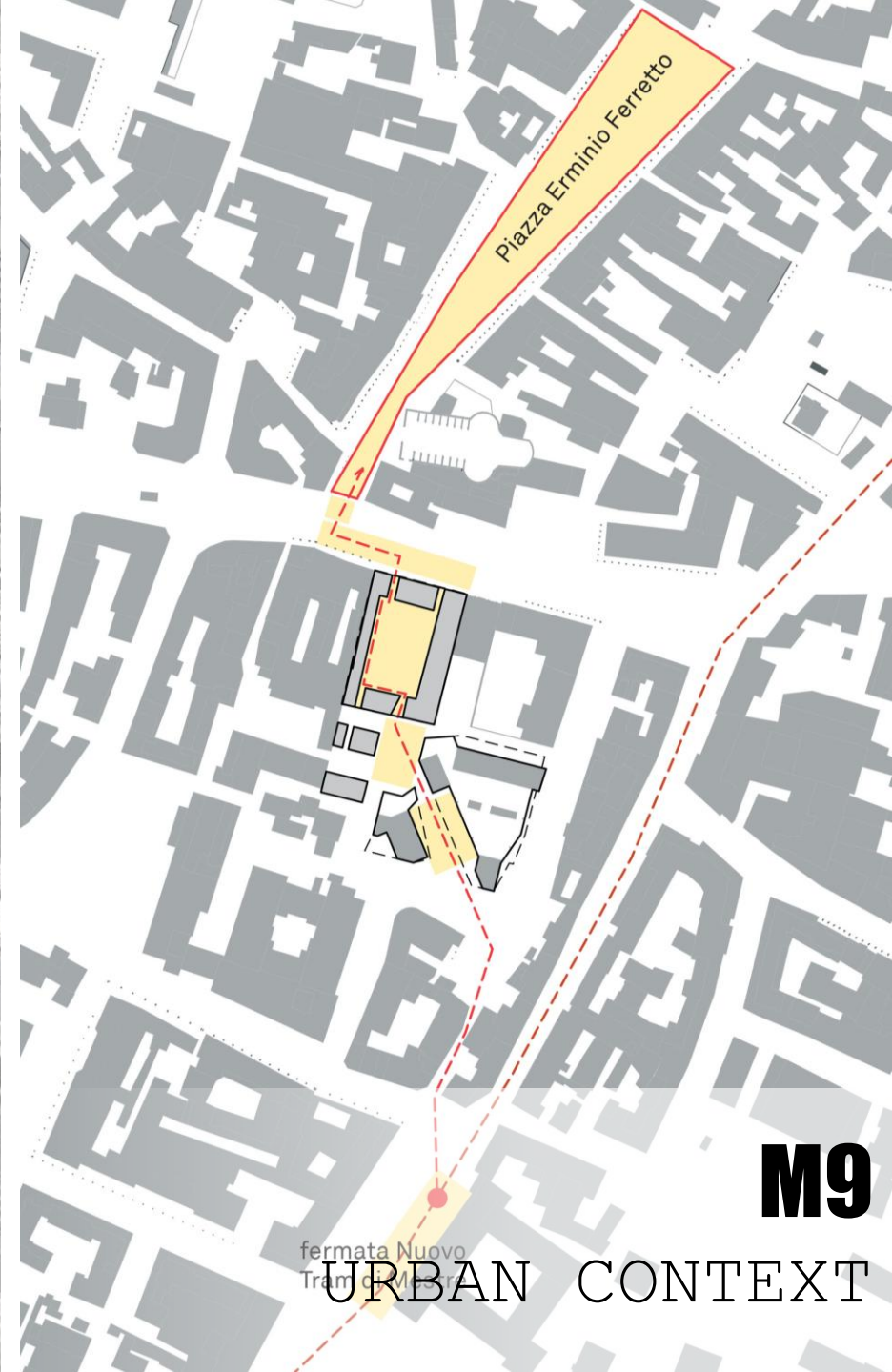




ANCIENT CONVENT 'DELLE GRAZIE'

NEW MUSEUM OF THE XXth CENTURY

- REDEVELOPMENT OF A SITE PREVIOUSLY URBANIZED
- SUPPORT AND INCENTIVE FOR THE USE OF PUBLIC OR ALTERNATIVE TRANSPORT
- WATER MANAGEMENT PLAN WHICH REDUCES 82% THE DEFLOW VOLUME



Piazza Erminio Ferretto

fermata Nuovo  
Tranquillo

**M9**

URBAN CONTEXT





- EXISTING BUILDING OF THE XVth CENTURY IN MASONRY AND TIMBER
- 5000 SQM RETAIL – 500 SQM OF OPEN COVERED SPACES THANKS TO THE RECONVERSION OF THE INTERNAL COURT



**M9**

THE PROJECT





▪ CLEAR DISTINCTION BETWEEN NEW & EXISTING  
ELEMENTS



**M9**

THE PROJECT





- CLEAR DISTINCTION BETWEEN NEW & EXISTING ELEMENTS

**M9**

THE PROJECT





- PRESERVATION OF THE MAIN ROOF STRUCTURE (TIMBER TRUSSES) AS AN ICONIC ELEMENT OF INTERNAL SPACE



**M9**  
ARCHITECTURAL SOLUTION





- PRESERVATION OF THE ROOF STRUCTURES (TIMBER ROOF) WITH THE REPLACEMENT OF THE EXISTING TILES



**M9**

STRUCTURAL SOLUTION





- RECONSTRUCTION OF THE ROOF MANTLE AND REPLACEMENT OF EXISTING TILES



**M9**  
STRUCTURAL SOLUTION





■ PRESERVATION OF THE ASPECT OF EXISTING WALLS

**M9**  
ARCHITECTURAL SOLUTIONS





- WALL MOUNTING MEP DISTRIBUTION
- WIDENING OF THE EXISTING OPENINGS FOR A GREATER FLEXIBILITY
- MEP SYSTEM HIDDEN: INTEGRATION IN THE EDGES OF THE WALLS

**M9**  
ARCHITECTURAL SOLUTION

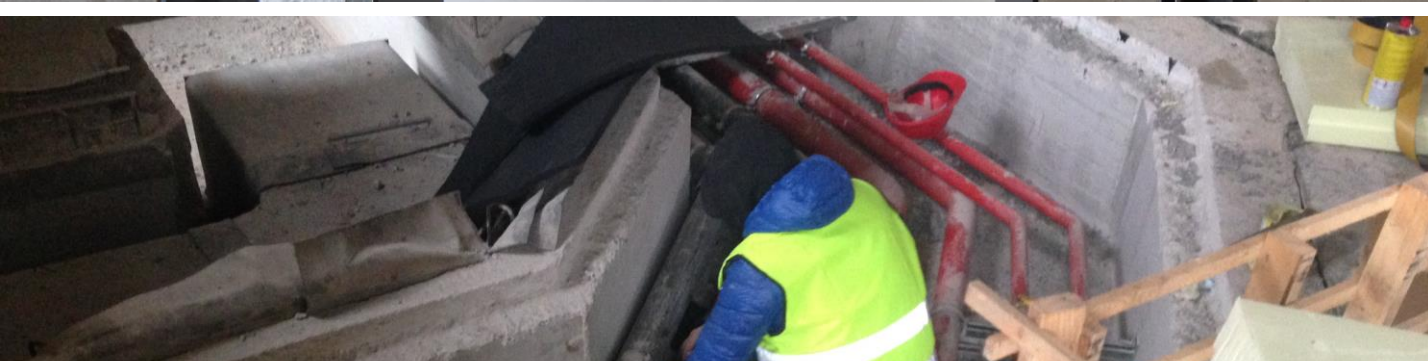




**M9**

STRUCTURAL & MEP SOLUTION





- GRID OF CONCRETE TUNNELS HOSTING THE MEP SYSTEM BELOW THE GROUND
- HORIZONTAL DISTRIBUTION AT GROUND FLOOR WITH VERTICAL SHAFTS AT THE WALL EDGES



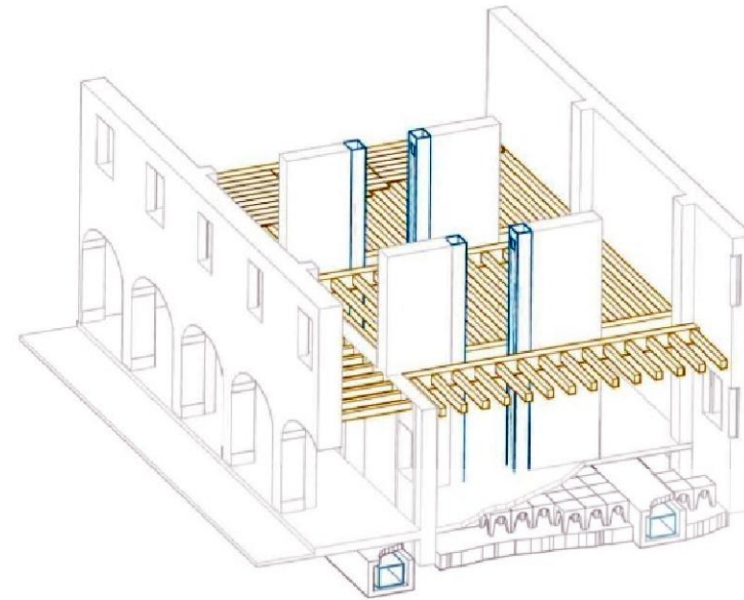
**M9**

STRUCTURAL & MEP SOLUTION





- SEISMIC IMPROVEMENT OF THE BUILDING
- INTEGRATION OF ARCHITECTURAL REQUIREMENT FOR THE INSERTION OF NEW STRUCTURAL ELEMENTS



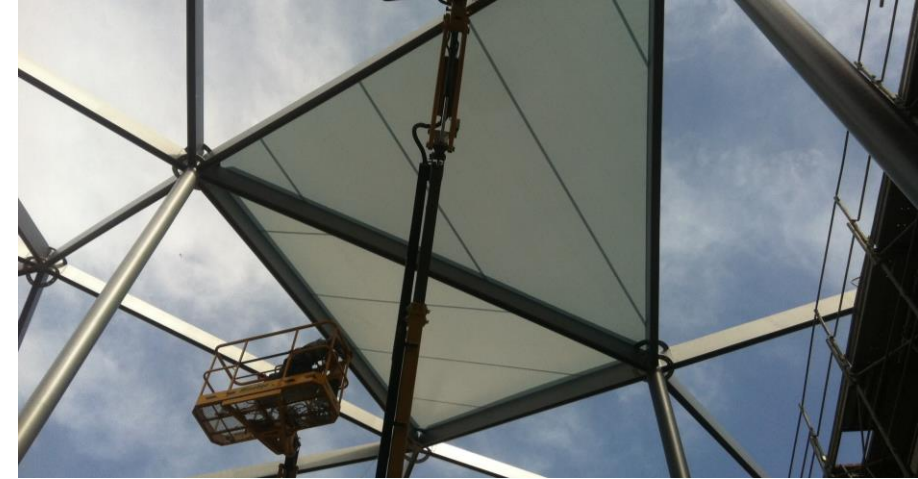
**M9**

STRUCTURAL SOLUTION





- FABRIC ROOF TO COVER THE CONVENT COURT
- STEEL STRUCTURE
- DOUBLE LAYER OF FABRIC TO RESIST TO WIND AND SNOW



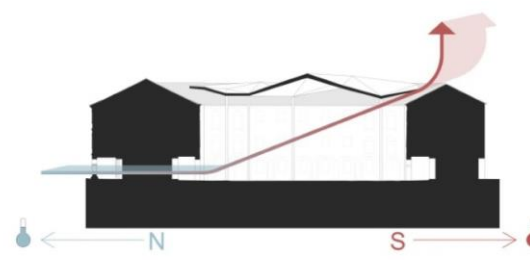
**M9**

STRUCTURAL SOLUTION

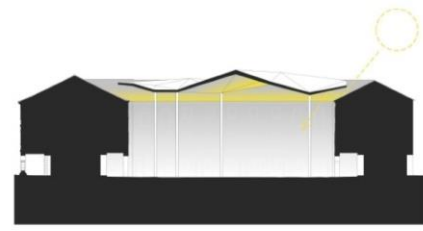




- LIGHT SOLUTION
- ADEQUATE BRIGHTNESS OF THE OPEN SPACE
- NATURAL VENTILATION
- GOOD ACOUSTIC PERFORMANCE



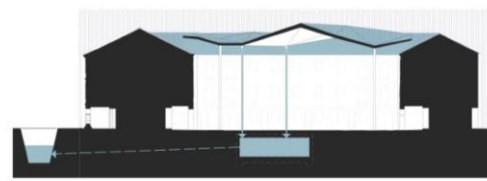
Ventilazione naturale / microclima



Luce naturale e protezione al sole



Acustica



Raccolta acque piovane



**M9**  
STRUCTURAL SOLUTION



# GRAZIE

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