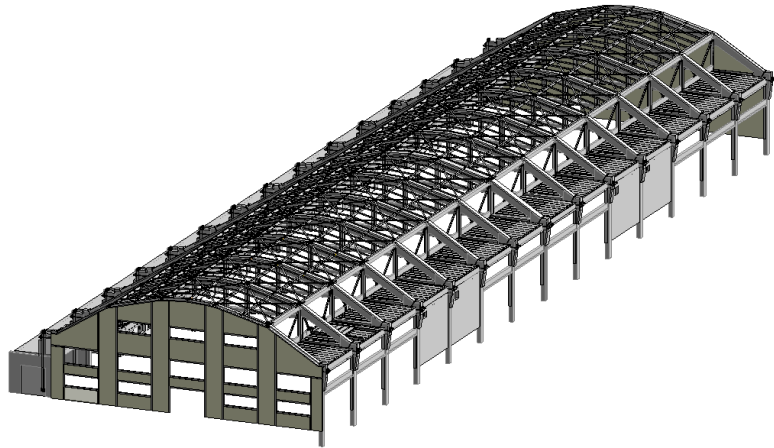
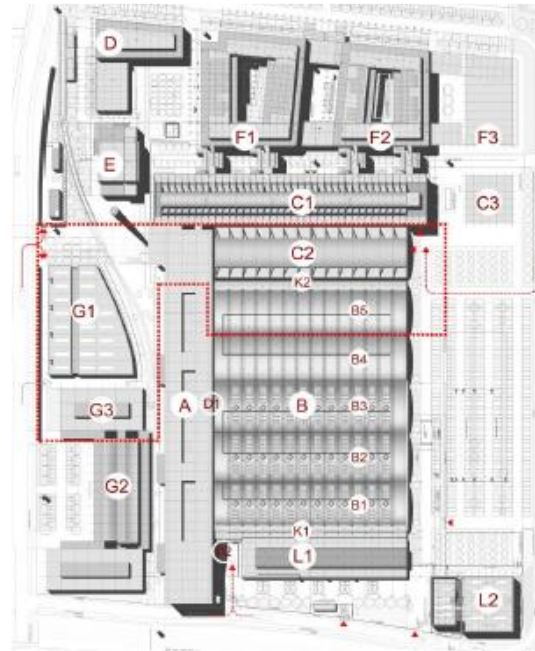
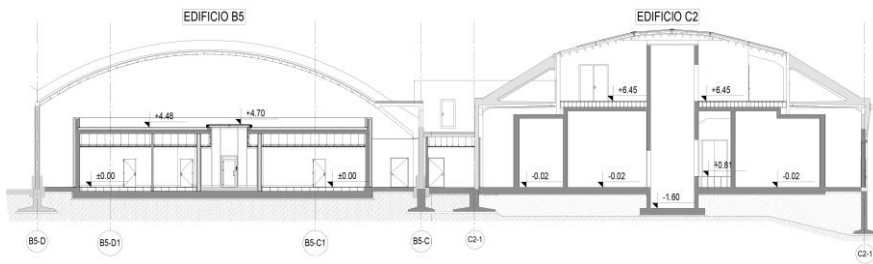


Bologna – Technical Center – C2



WORK DATA

Location	Bologna (ITA)
Year	2021 – 2022
Owner	Cineca
Client	Cineca
Structural Work cost	€ 1'160'000
Work performed	Rehabilitation of existing reinforced concrete building

STRUCTURAL DESIGN

Tender	-
Preliminary	-
Final	X

CHARACTERISTICS

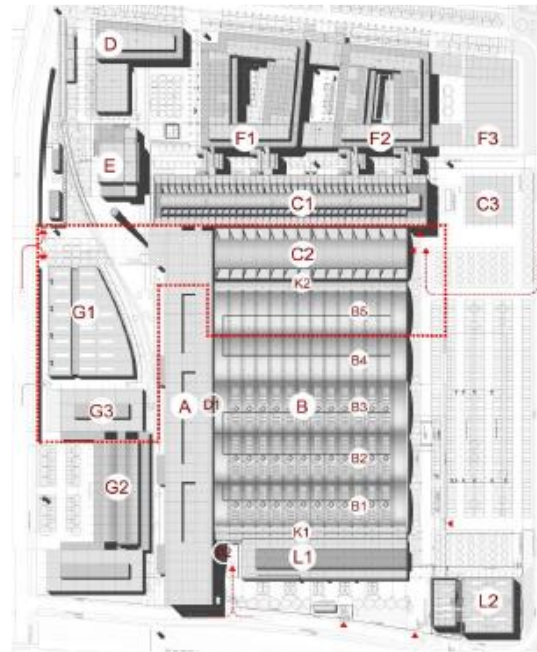
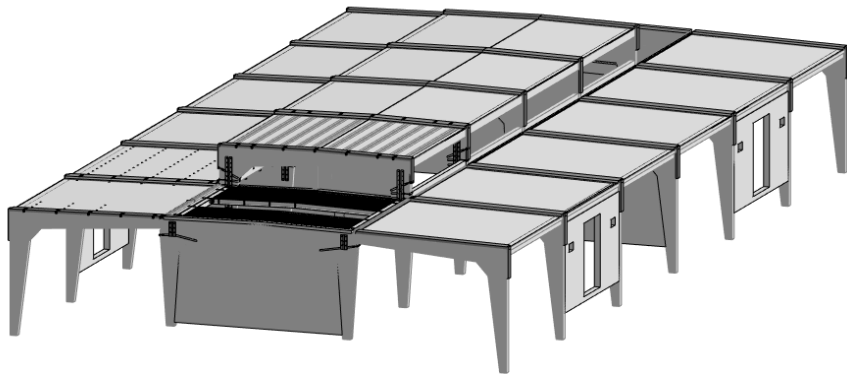
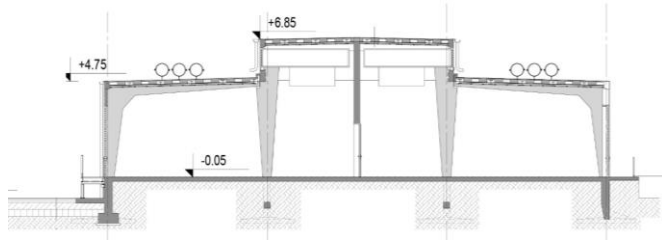
Plan Area	3290m ²
Floors	1
Height	12m

Measures	<ul style="list-style-type: none"> • Replacement of central slabs with steel structure • Replacement of lateral slabs with new latero-cement floor • Structural reinforcements with steel elements and FRP • Insertion of structural sets for seismic actions
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Bologna – Technical Center – G3

EDIFICIO G3



WORK DATA

Location	Bologna (ITA)
Year	2021 – 2022
Owner	Cineca
Client	Cineca
Structural Work cost	€ 480'000
Work performed	Rehabilitation of existing reinforced concrete building

STRUCTURAL DESIGN

Tender	-
Preliminary	-
Final	X

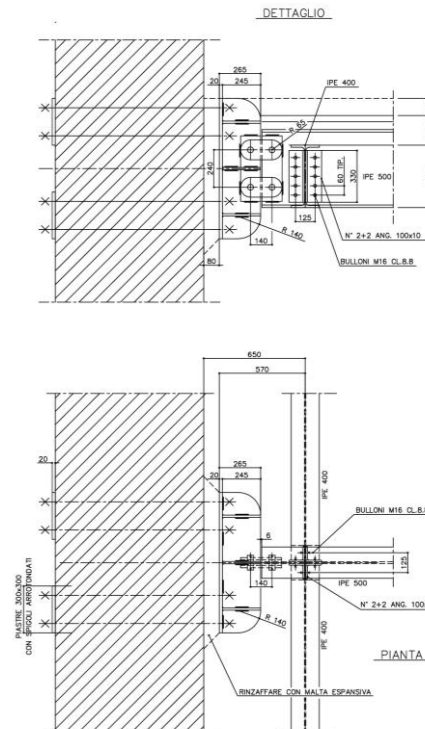
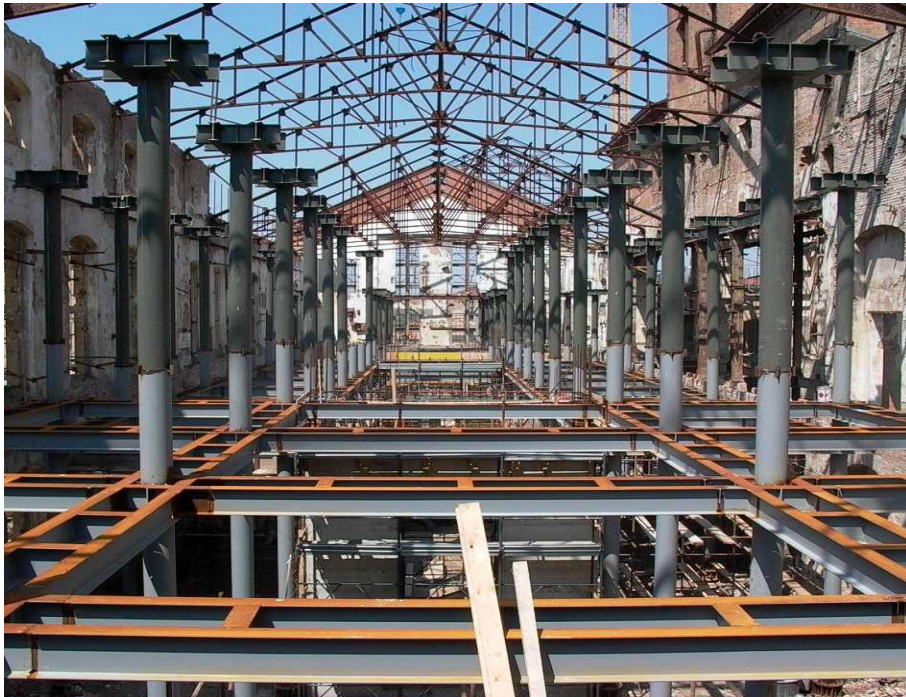
CHARACTERISTICS

Plan Area	1152m ²
Floors	1
Height	7m

Measures	<ul style="list-style-type: none"> • Reinforcement of the floors with hanging system to steel beam • Reinforcement of existing column and beam with new reinforced concrete • Addition of steel details to transmit actions between the components of the structure
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Classe – Archaeological Museum



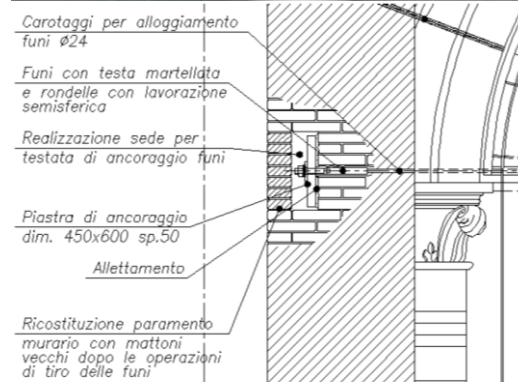
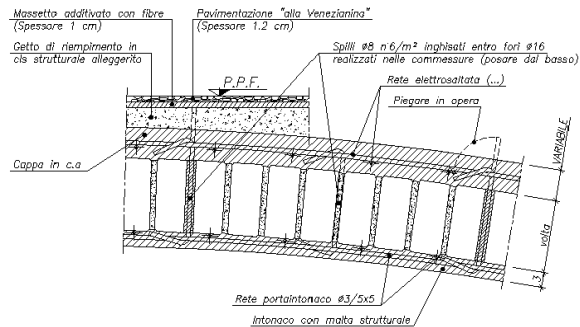
WORK DATA	
Location	Classe (ITA)
Year	2009 – 2010
Owner	Municipality of Ravenna
Client	Municipality of Ravenna
Structural Work budget	€ 19'200'000
Work performed	Rehabilitation of existing buildings
STRUCTURAL DESIGN	
Tender	X
Preliminary	X
Final	X
BUILDING CHARACTERISTICS	
Area	Respectively buildings A,B,C,D,E: 1795m ² , 950m ² , 390m ² , 650m ² , 210m ²
Floors	Respectively buildings A,B,C,D,E: 3, 4, 5, 3, 2
Height	Respectively buildings A,B,C,D,E: 20m, 20m, 20m, 10m, 15m
Measures	<ul style="list-style-type: none"> - Realization of two new buildings D and E; - For buildings A, B and C conservation of the external walls and inside realization of new steel structure

Bologna – Palazzo Pepoli



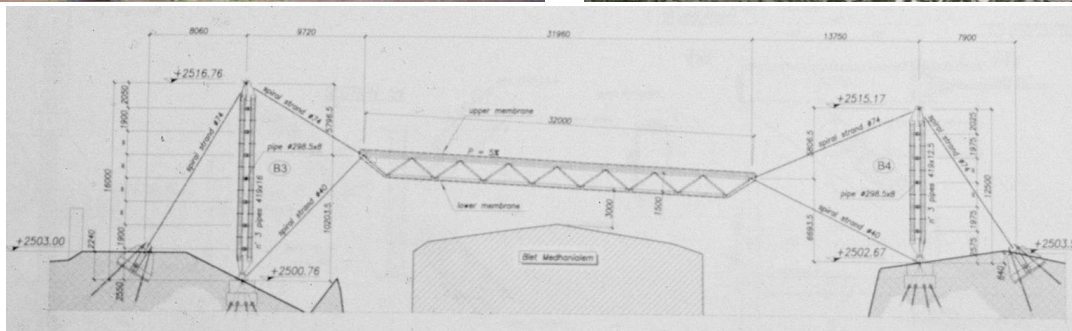
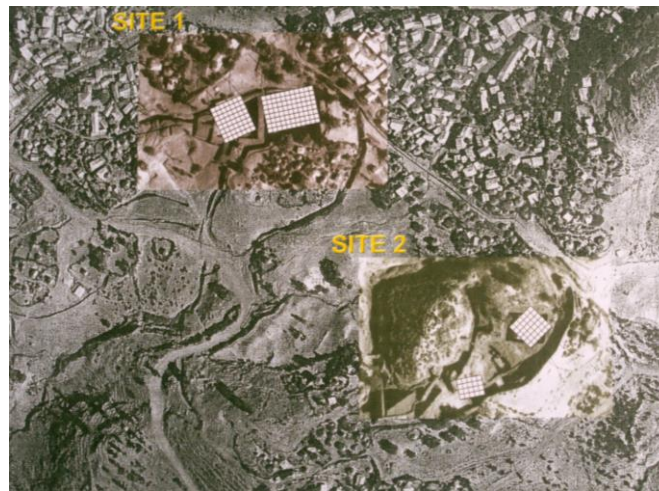
PARTICOLARE "1"
INTERVENTO "TIPO V1"

(SCALA 1:5)



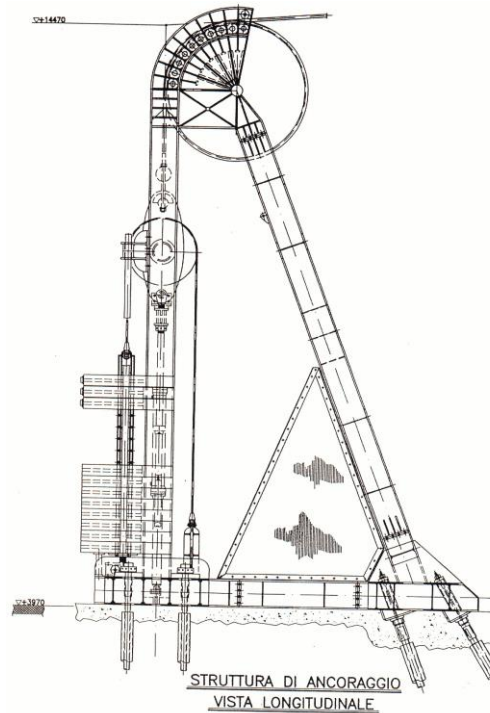
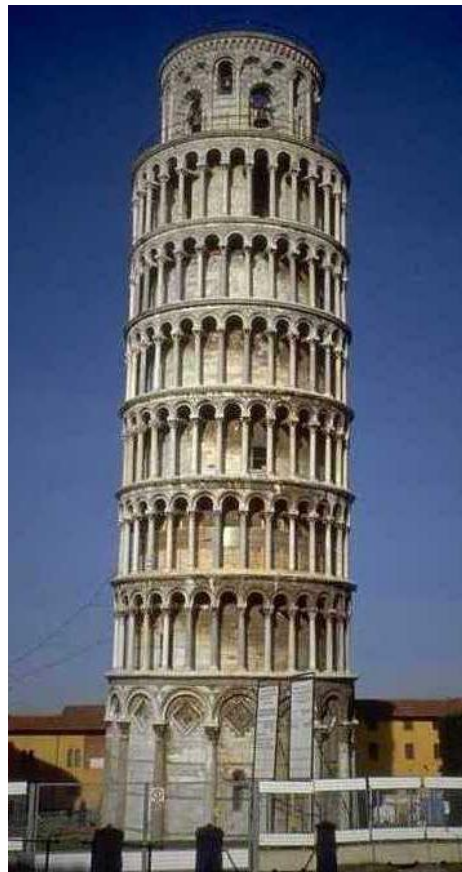
WORK DATA	
Location	Bologna (ITA)
Year	2005 – 2011
Owner	Fondazione Cassa di Risparmio
Client	Fondazione Cassa di Risparmio
Structural Work budget	€ 17'000'000
Work performed	Existing building
STRUCTURAL DESIGN	
Tender	X
Preliminary	X
Final	X
BUILDING CHARACTERISTICS	
Area	2890m ²
Floors	5
Height	26.7 m
Measures	<ul style="list-style-type: none"> - Strengthening of the vaults - Replacement of insufficient slabs with steel structure - Strengthening of the damage walls between tie-rods

Lalibela – Covering of Churches



WORK DATA	
Location	Lalibela (ETH)
Year	2000-2001
Owner	Ministry of Information and Culture - Federal Democratic Republic of Ethiopia
Client	Ministry of Information and Culture - Federal Democratic Republic of Ethiopia
Structural Work budget	€ 1'610'000
Work performed	Existing buildings
STRUCTURAL DESIGN	
Tender	X
Preliminary	X
Final	X
BUILDING CHARACTERISTICS	
Area	Shelter A: 32x24m Shelter B: 32x44m Shelter C: 16x20m Shelter D: 24x24m
Floors	1
Height	Variable
Measures	Covers made with tensile structures and spatial reticular

Pisa – Tower of Pisa cable stayed support system



WORK DATA	
Location	Pisa (ITA)
Year	1996
Owner	Committee for strengthening and reliability of Tower of Pisa
Client	Committee for strengthening and reliability of Tower of Pisa
Work budget	€ 1'810'000
Work performed	Existing buildings
STRUCTURAL DESIGN	
Tender	X
Preliminary	X
Final	X
BUILDING CHARACTERISTICS	
Measures	Sub-horizontal temporary support system, integral part of the work for the consolidation and restoration work of the Tower of Pisa. The stays consist of high resistance steel cables, configured in accordance with the counter-curve tensile structure layout.

