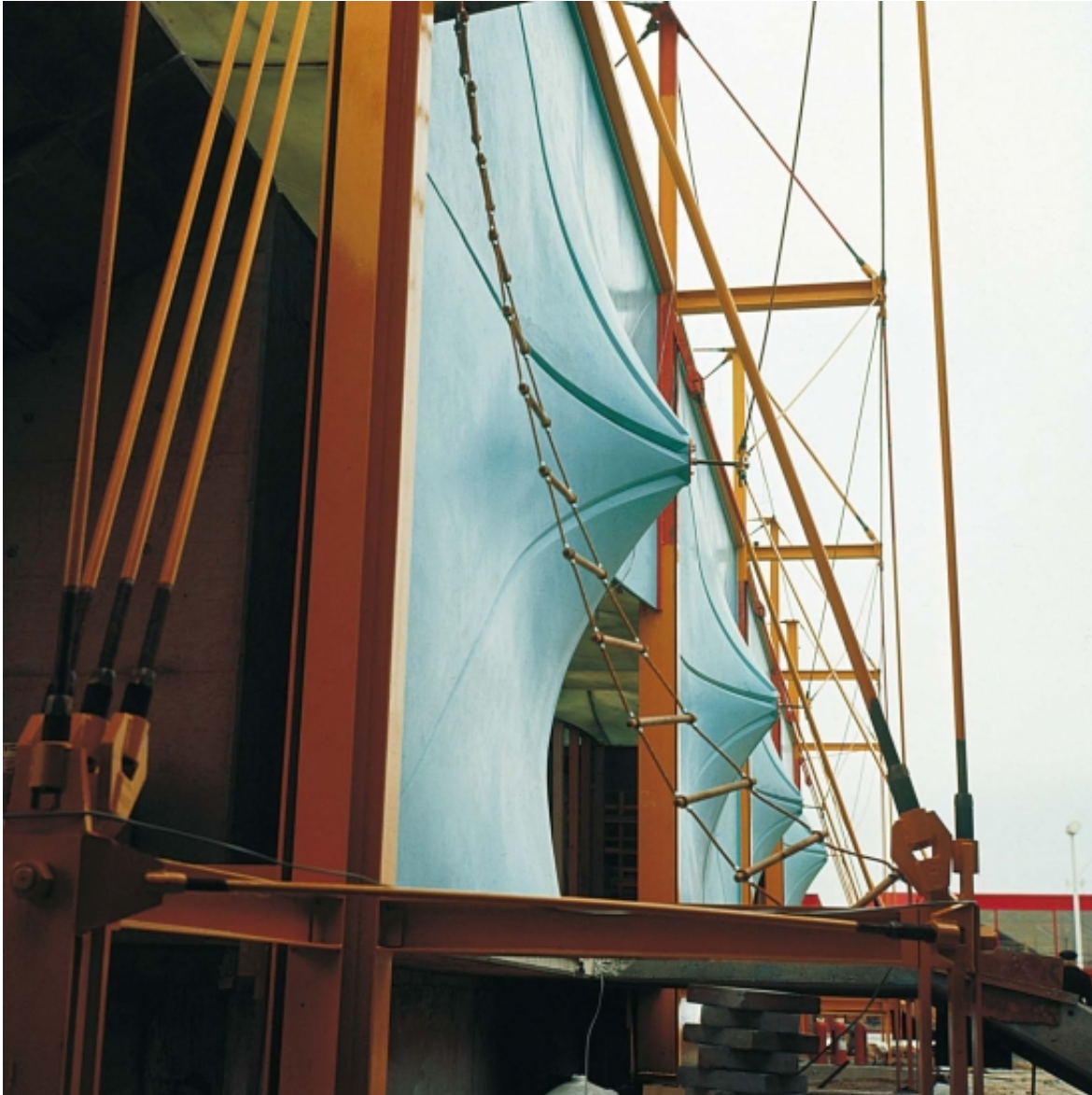


Osaka EXPO



From 15th March to 13th September 1970 the Universal Exposition was in Osaka, Japan. The Italian participation was organised into two pavilions: the national one - designed by Gilberto and Masino Valle and Sergio Brusa Pasqué - and the Italian industry pavilion, designed by Renzo Piano. The architects were asked to build a space free from pillars and extremely flexible: the Italian industry pavilion was a box in reinforced polyester, lifted from the ground and held by steel cables.

Dati Progetto

Design	1969
Construction	1970
Internal exhibition area	1.200 m ²
Height	10 m
	6 m inner height

Credits

Client	Italpublic
Architect	Studio Piano, architects
Consultant	Sertec (structure)

Immagini



Subject	Detail of the meeting point between reinforcing structure and the polyester membranes
Date	-
Image code	Ose_001
Author	-
Copyright	Fondazione Renzo Piano



Subject	The membrane under tension through the external metal structure
Date	-
Image code	Ose_002
Author	-
Copyright	Fondazione Renzo Piano



Subject	External view of pre-stressed panels in reinforced polyester
Date	-
Image code	Ose_003
Author	-
Copyright	Fondazione Renzo Piano



Subject	Detail of the pavilion under construction
Date	-
Image code	Ose_007
Author	-
Copyright	Fondazione Renzo Piano



Subject	Detail of the pavilion under construction
Date	-
Image code	Ose_008
Author	-
Copyright	Fondazione Renzo Piano



Subject	Structure assembly
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Date	-
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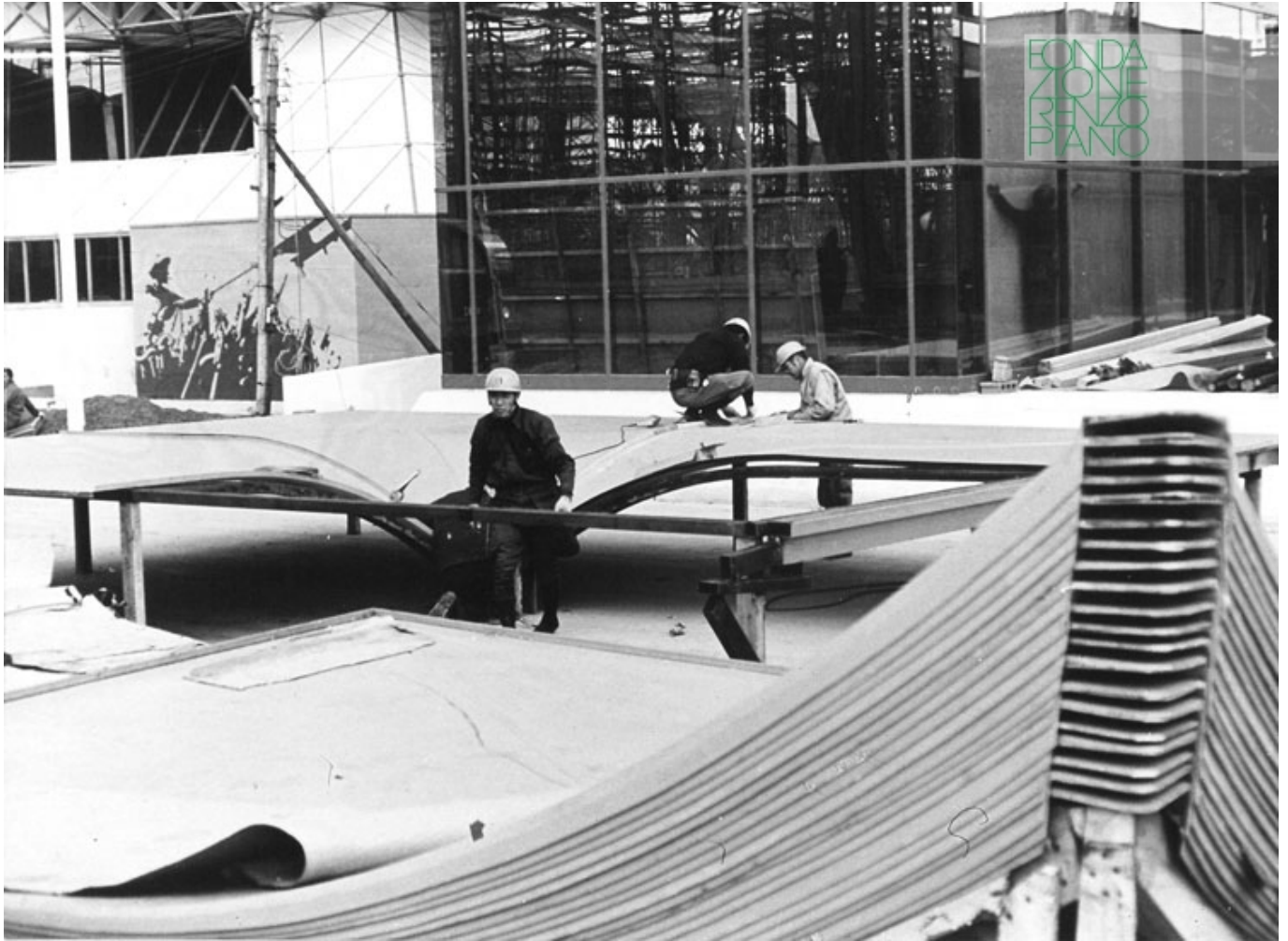
Image code	Ose_Ph_001
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Author	-
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Copyright	Fondazione Renzo Piano
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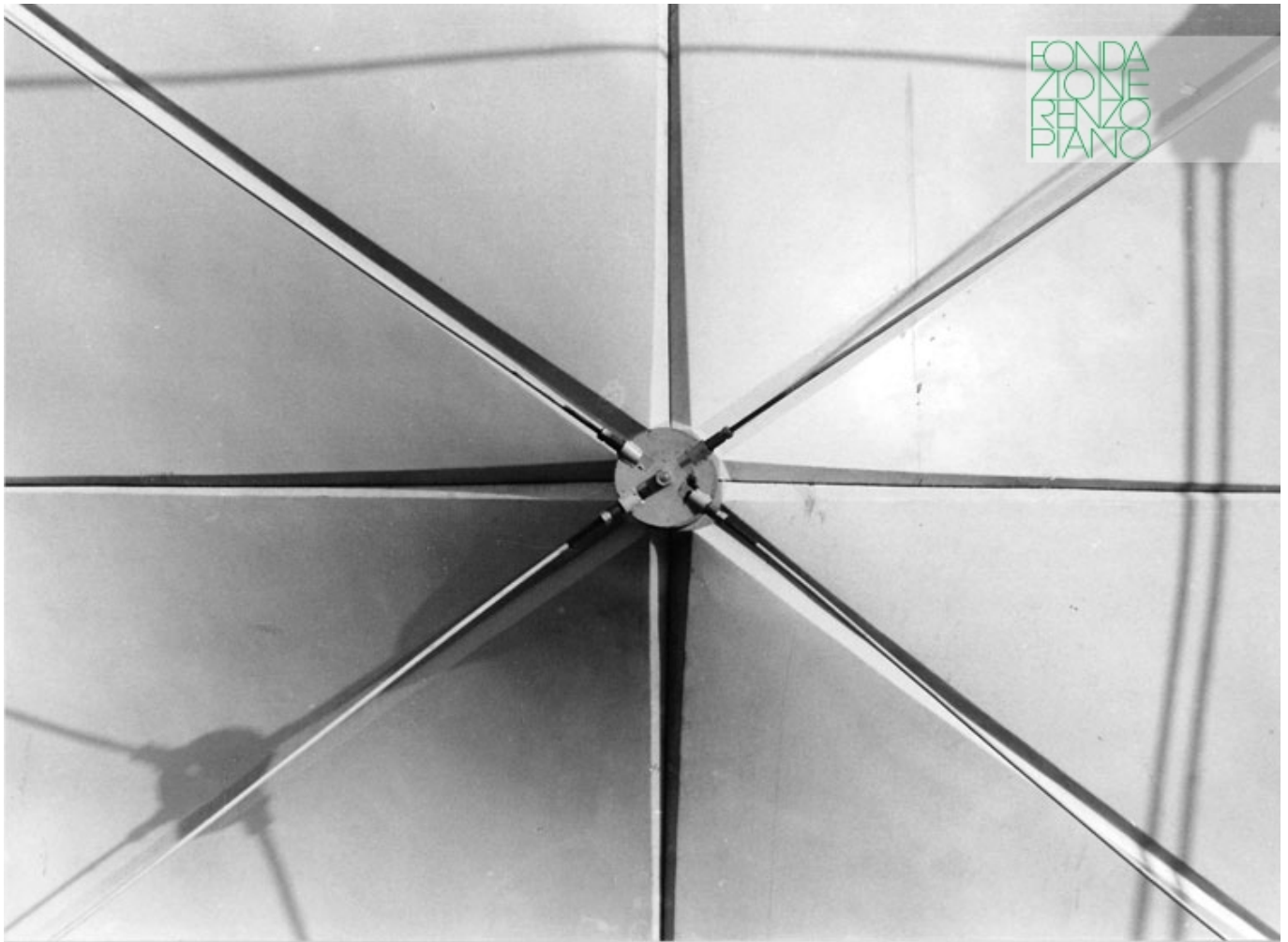
Subject	Structure assembly
Date	-
Image code	Ose_Ph_002
Author	-
Copyright	Fondazione Renzo Piano



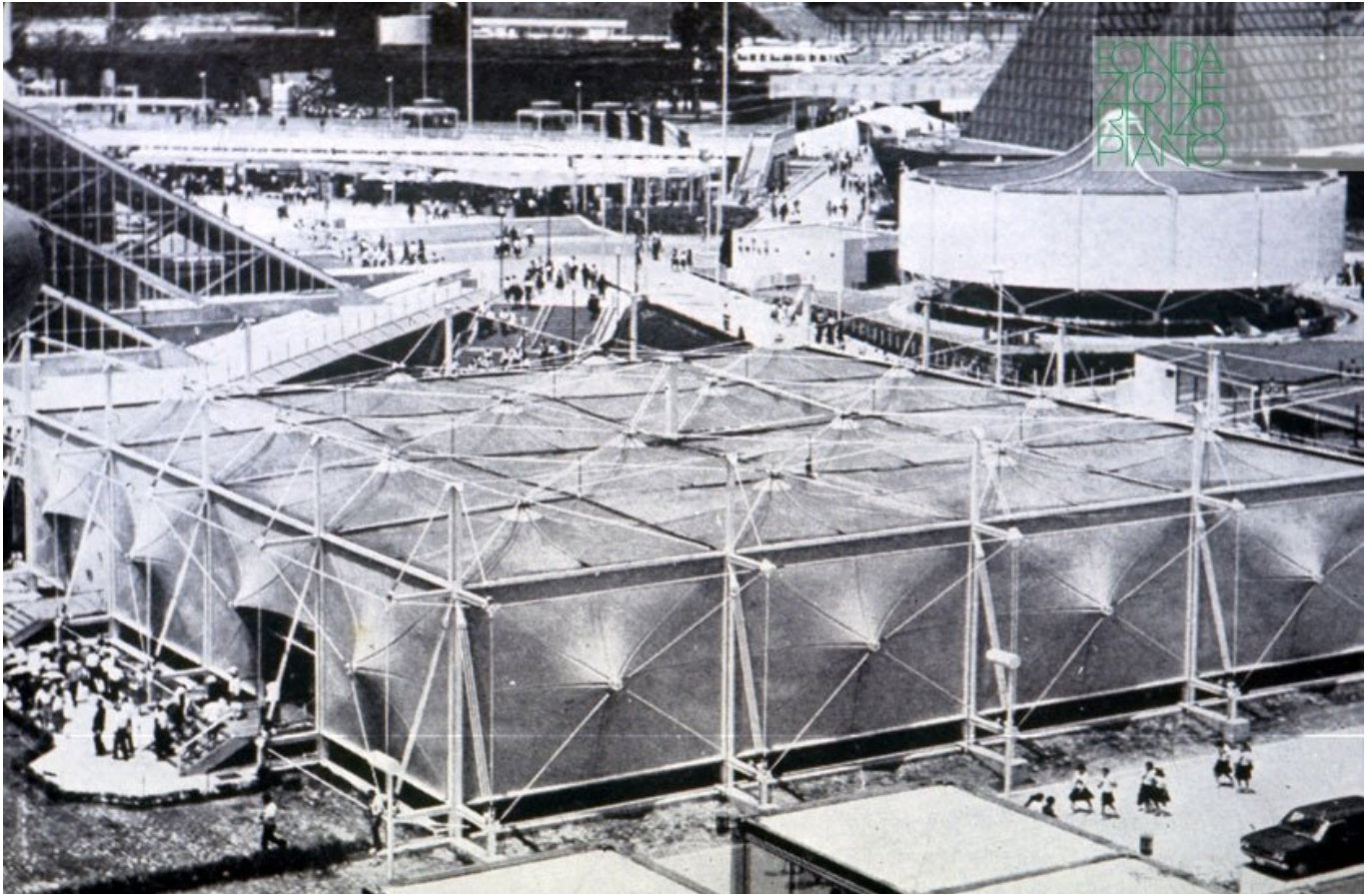
Subject	The Japanese workers unpack the modules coming from Genoa
Date	-
Image code	Ose_Ph_003
Author	-
Copyright	Fondazione Renzo Piano



Subject	Tensile structure detail
Date	-
Image code	Ose_Ph_004
Author	-
Copyright	Fondazione Renzo Piano



Subject	Detail of the hooking of the metal structure to the reinforced polyester membrane
Date	-
Image code	Ose_Ph_005
Author	-
Copyright	Fondazione Renzo Piano



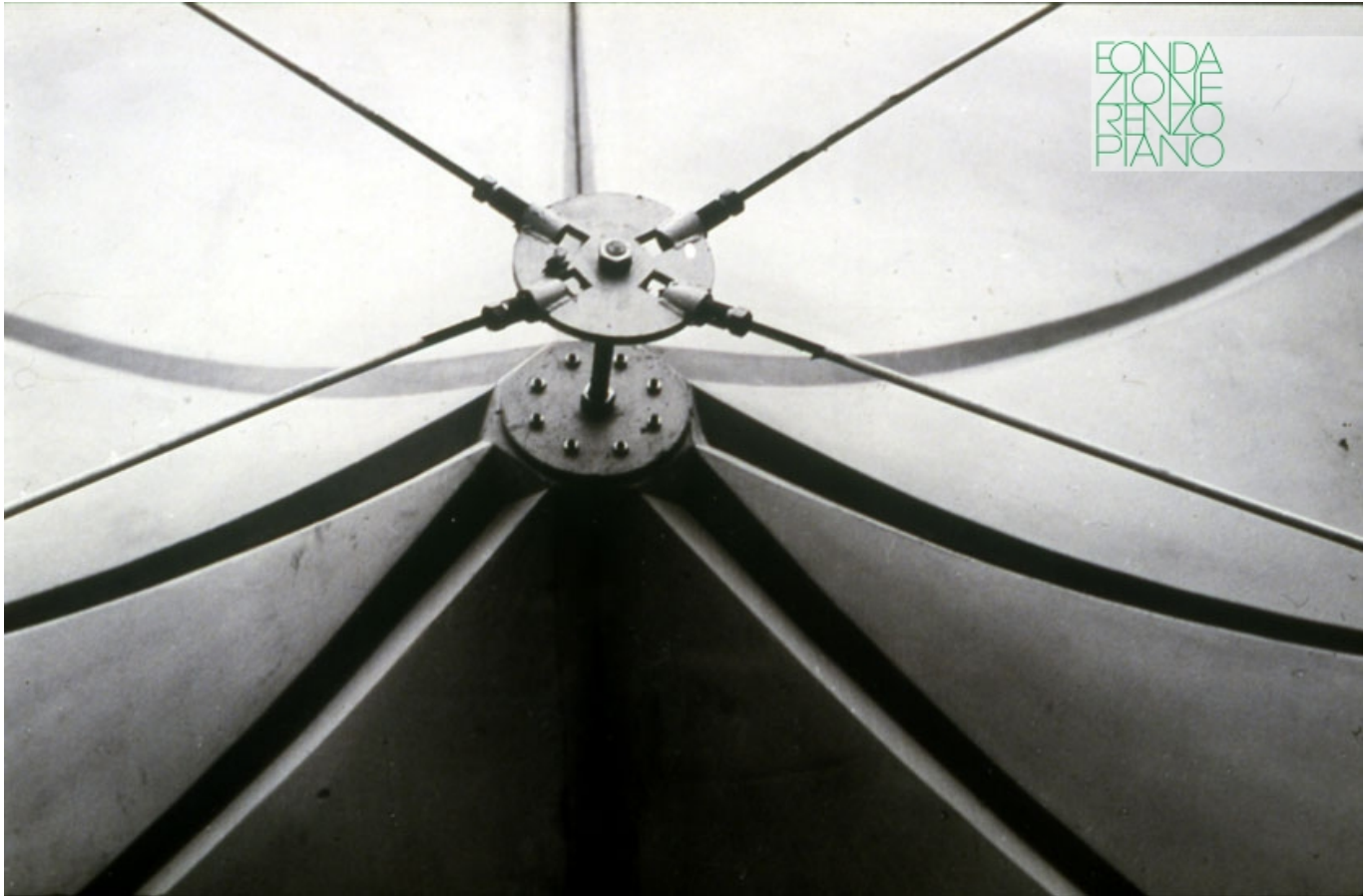
Subject External view of the pavilion

Date -

Image code Ose_Ph_006

Author -

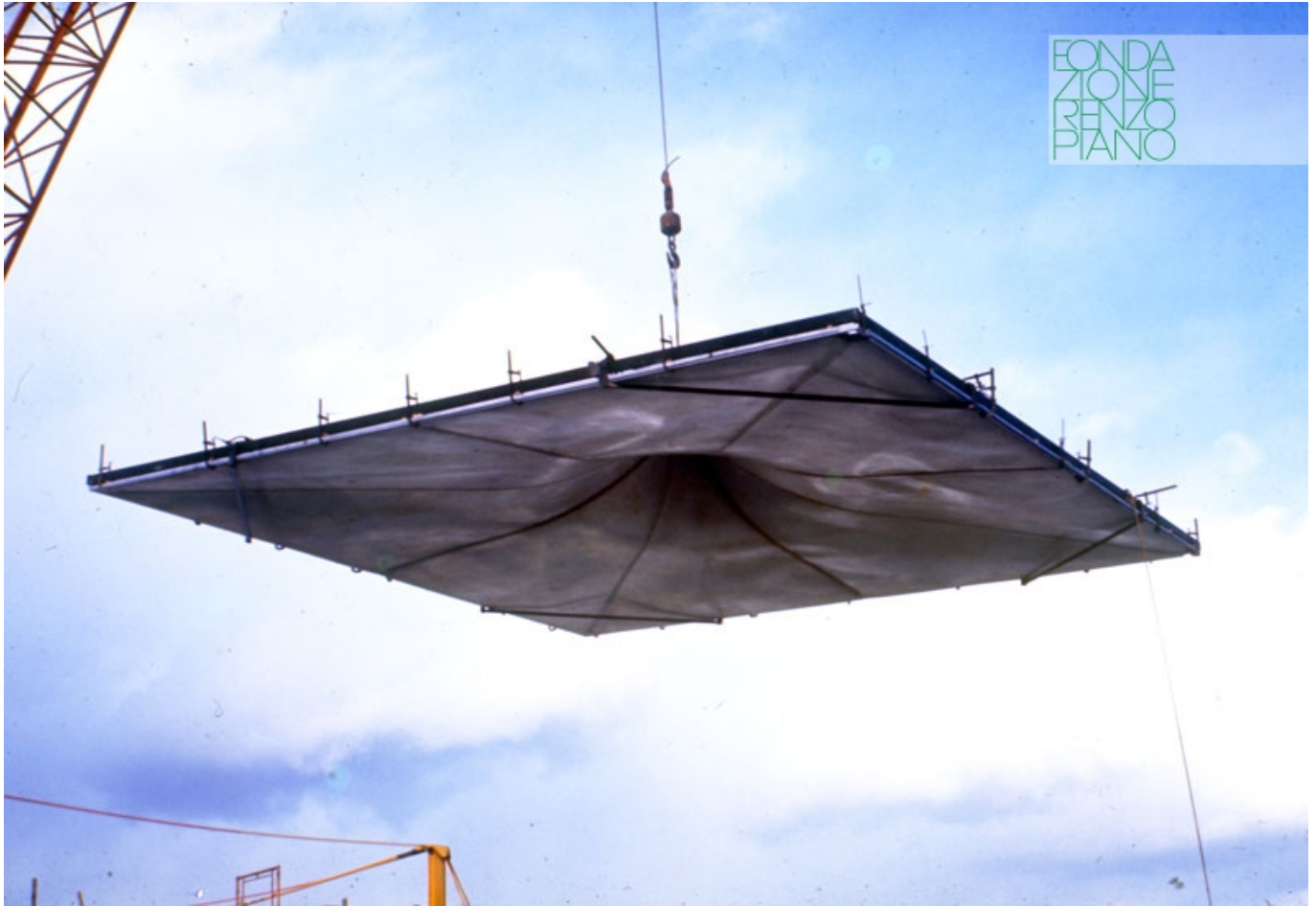
Copyright Fondazione Renzo Piano



Subject	Detail of steel tie-rods and plates which tend to be reinforced polyester
Date	-
Image code	Ose_Ph_007
Author	-
Copyright	Fondazione Renzo Piano



Subject	Worker at work during assembly
Date	-
Image code	Ose_Ph_008
Author	-
Copyright	Fondazione Renzo Piano



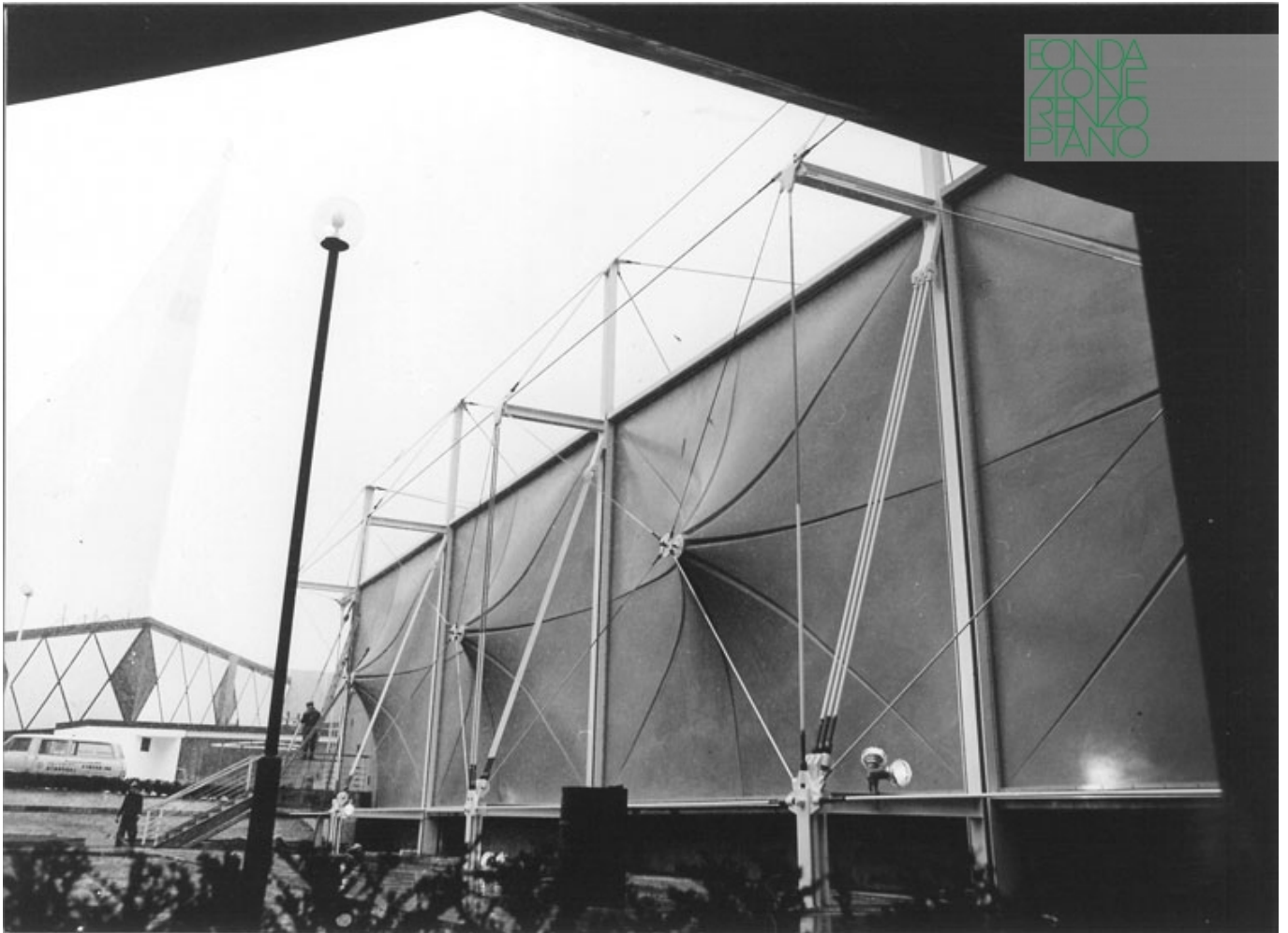
Subject	Pavilion during assembly
Date	-
Image code	Ose_Ph_009
Author	-
Copyright	Fondazione Renzo Piano



Subject	Structure detail under construction
Date	-
Image code	Ose_Ph_010
Author	-
Copyright	Fondazione Renzo Piano



Subject	Interior view of the pavilion during the construction phase
Date	
Image code	Ose_Ph_011
Author	-
Copyright	Fondazione Renzo Piano



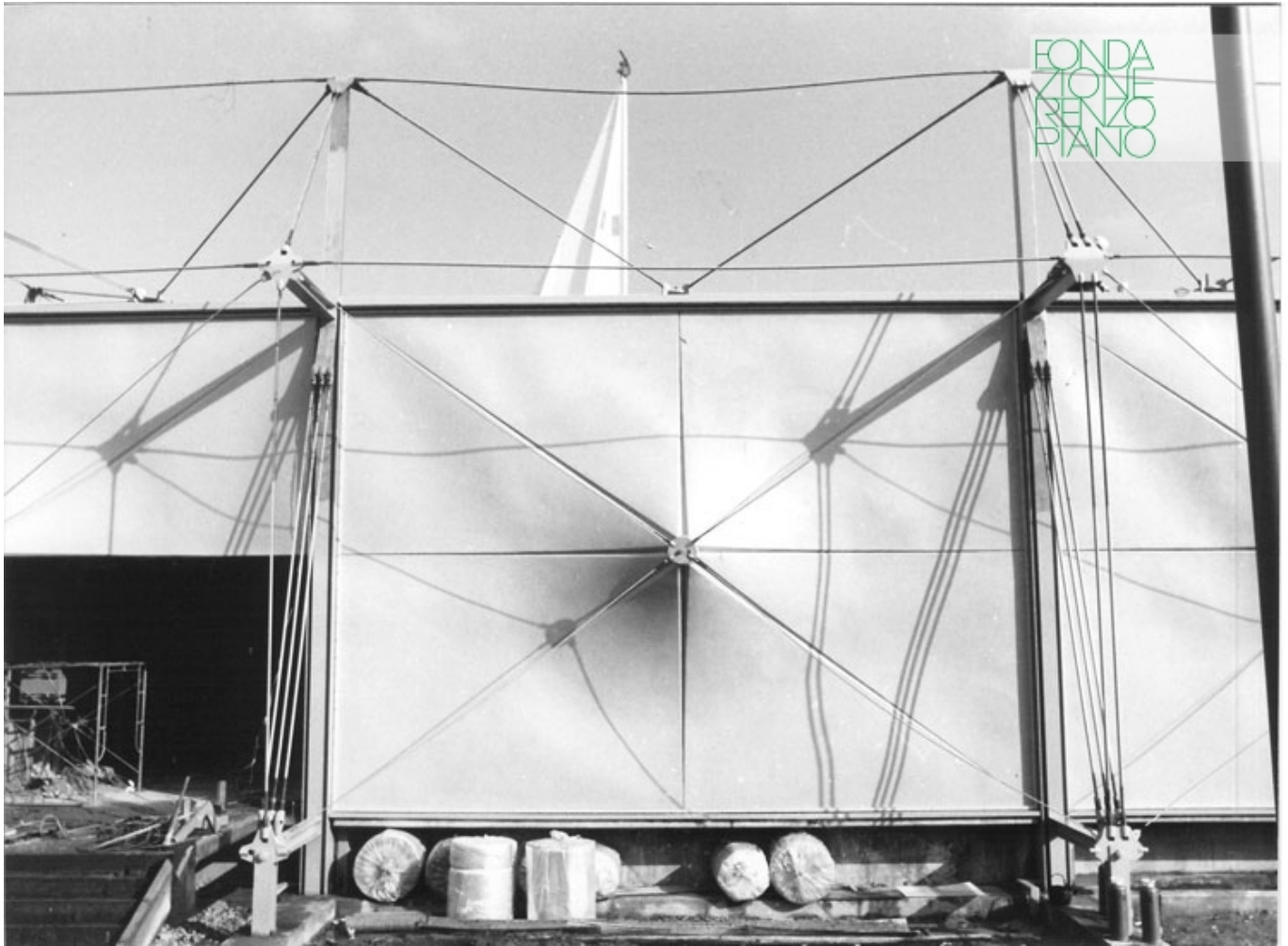
Subject	The pavilion at the end of construction
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Date	-
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Image code	Ose_Ph_012
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Author	-
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Copyright	Fondazione Renzo Piano
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Subject	Pre-stressed panel in reinforced polyester
Date	-
Image code	Ose_Ph_013
Author	-
Copyright	Fondazione Renzo Piano

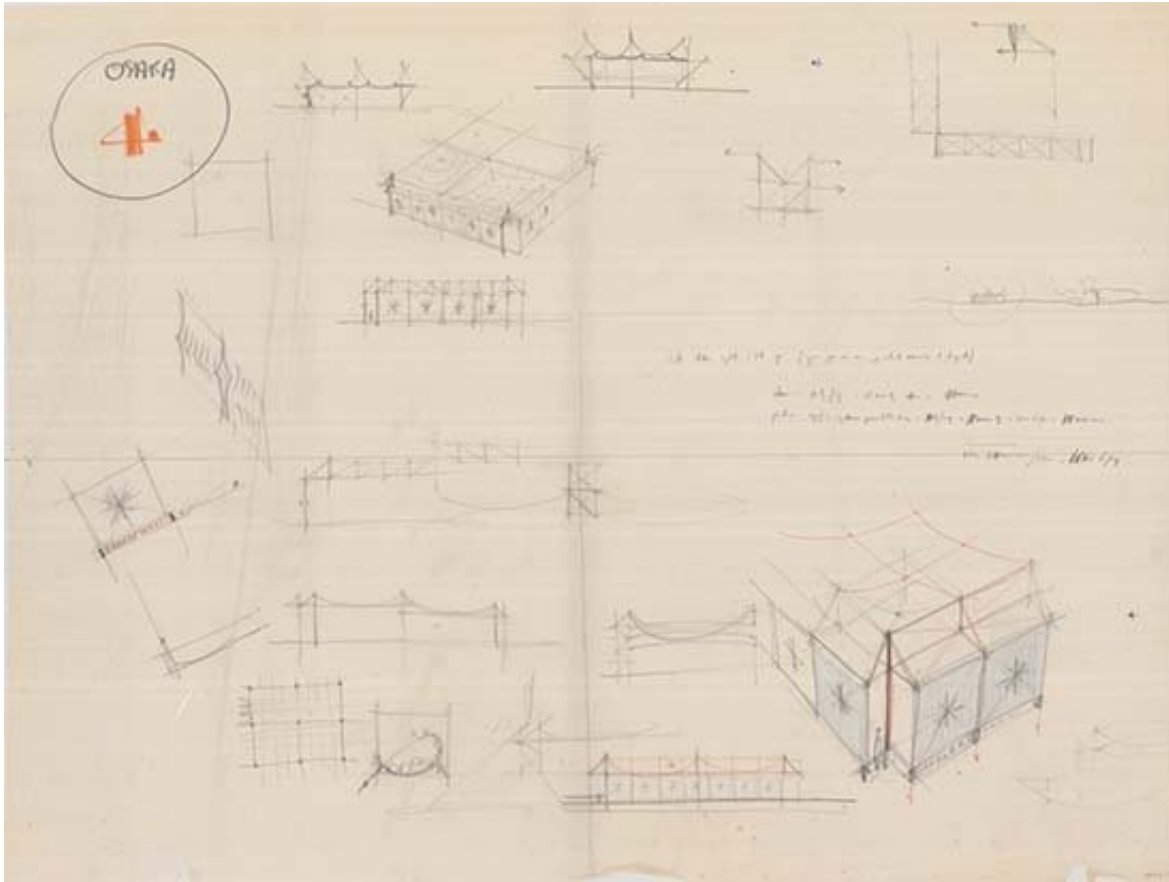


Subject	Structural joint detail
Date	-
Image code	Ose_Ph_014
Author	-
Copyright	Fondazione Renzo Piano

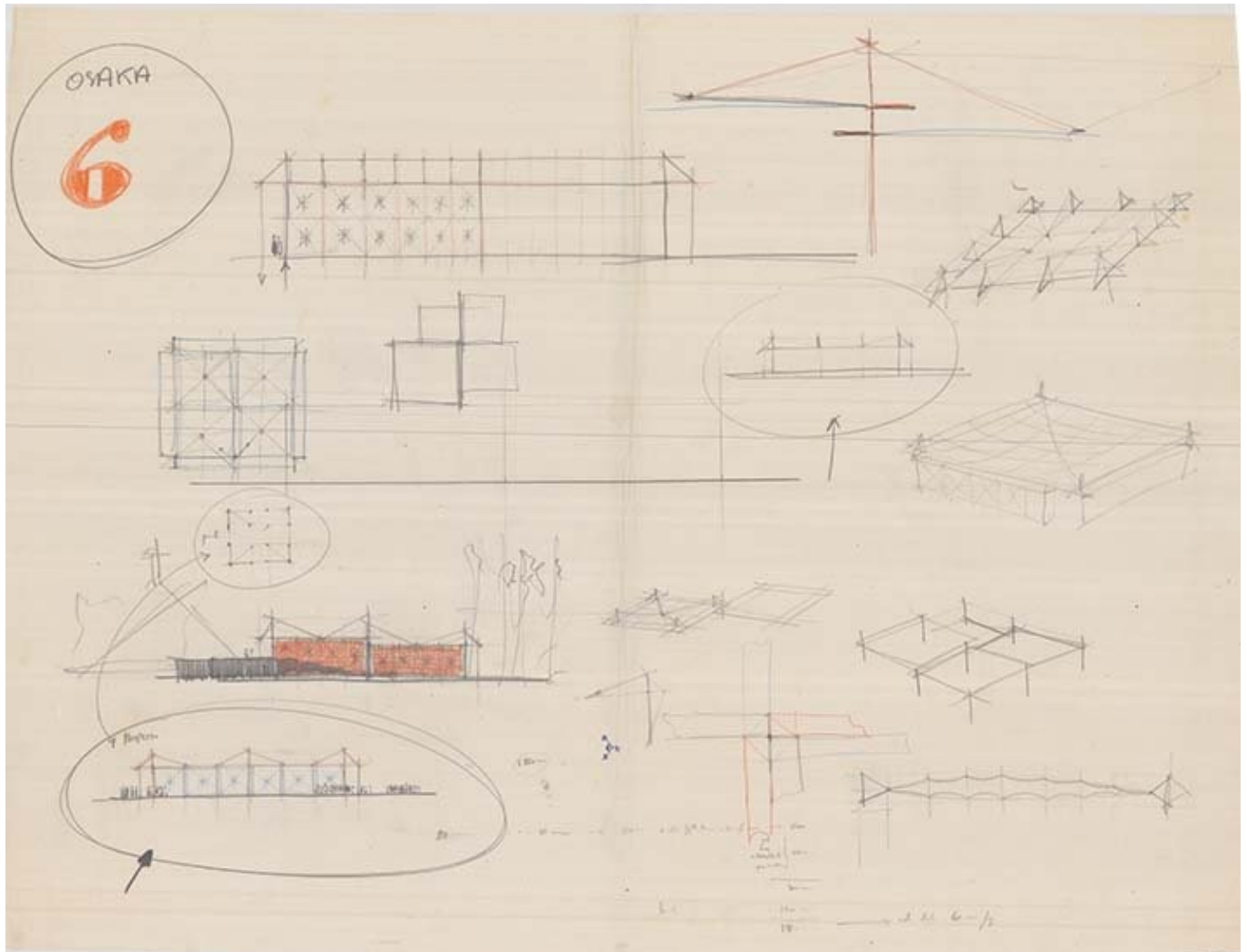


Subject	Detail of the pavilion
Date	-
Image code	Ose_Ph_015
Author	-
Copyright	Fondazione Renzo Piano

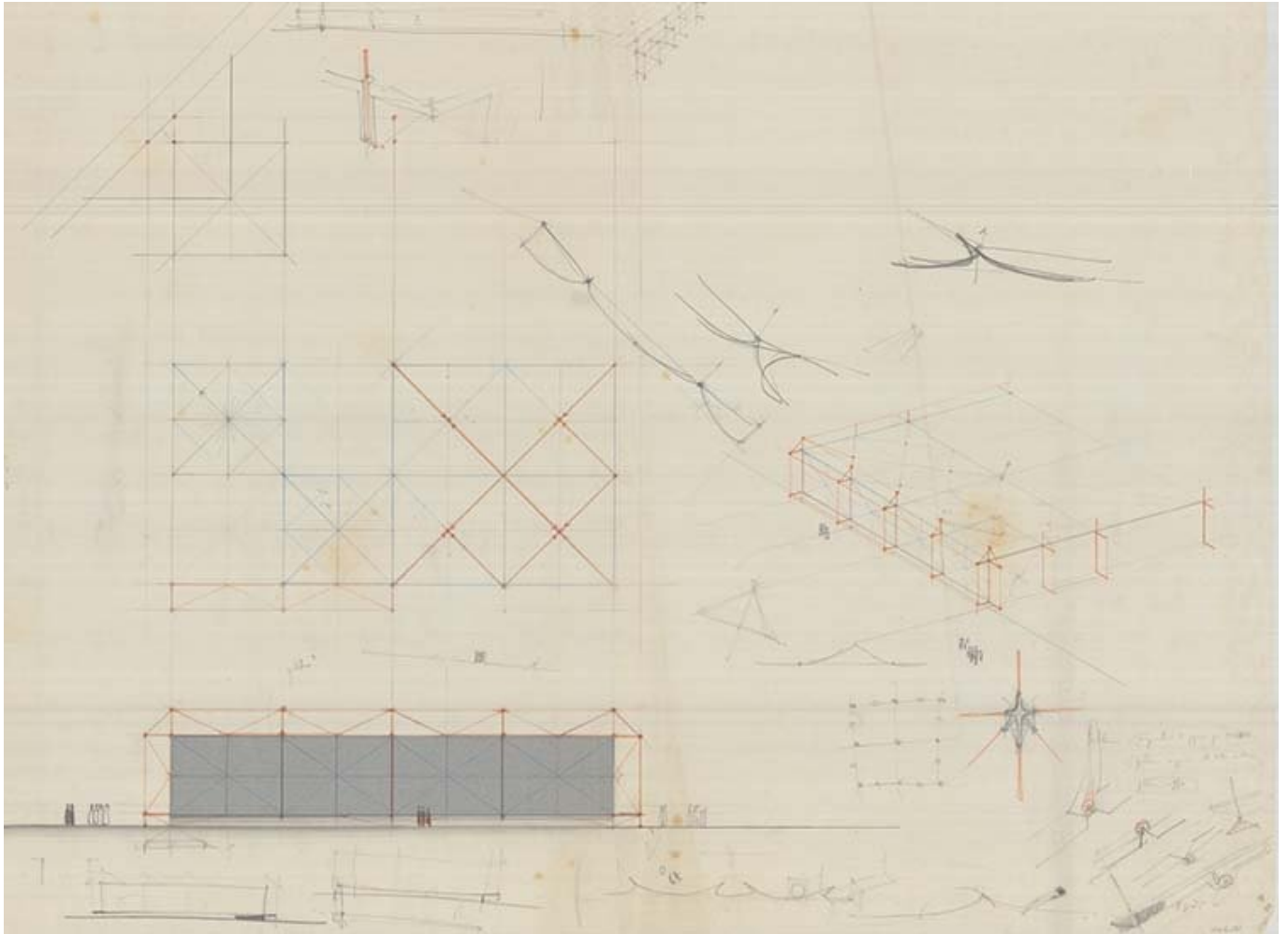
Disegni



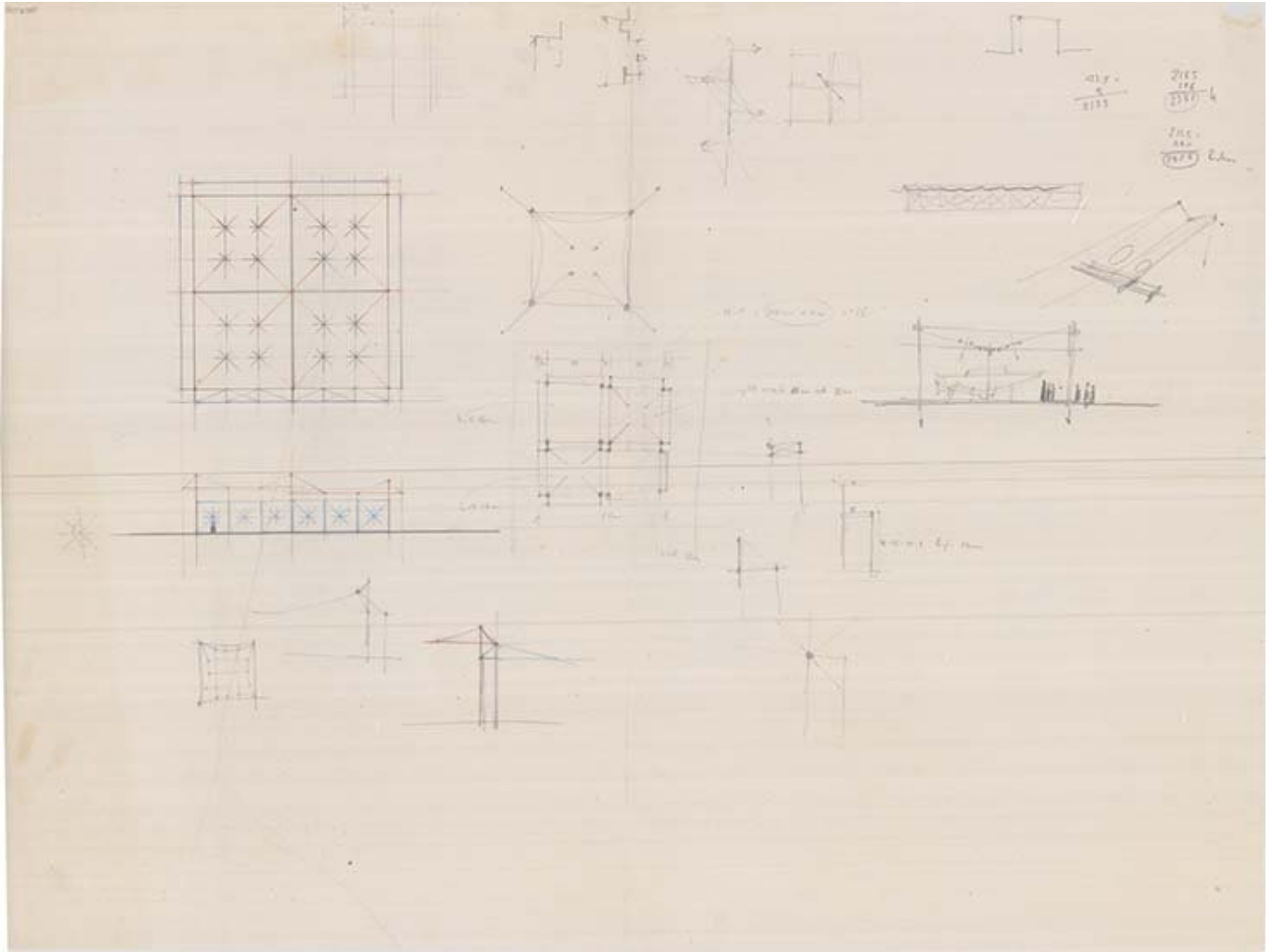
Title	(Study-elevations, sections, perspectives, details)
Scale	-
Size	74 x 97 cm
Date	1969
Drawing number	-
Drawing code	OSE_E_077
Author	Renzo Piano
Copyright	Fondazione Renzo Piano



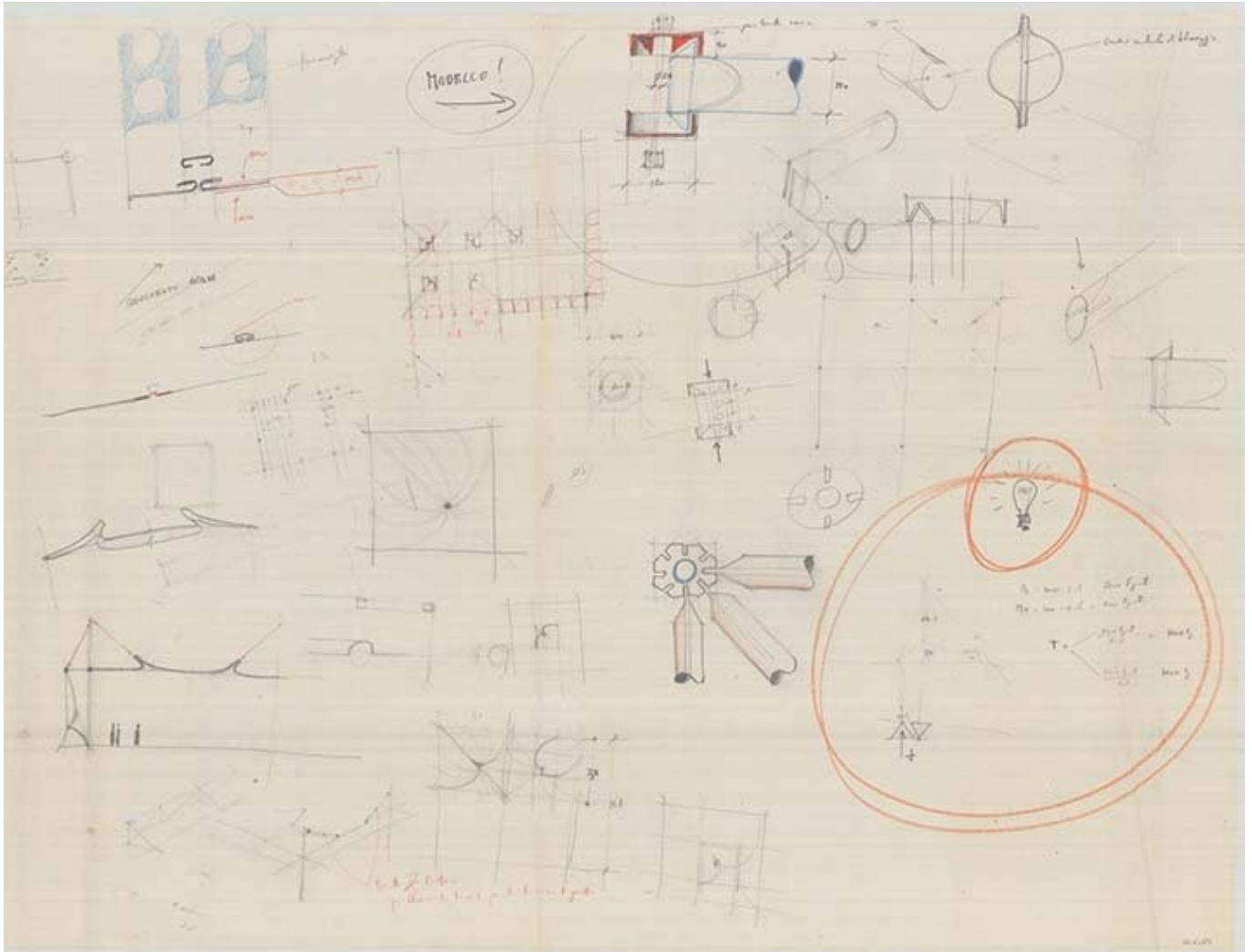
Title	(Study-elevations, sections, perspectives, details)
Scale	-
Size	97,50 x 73,50
Date	1969
Drawing number	-
Drawing code	OSE_E_079
Author	Renzo Piano
Copyright	Fondazione Renzo Piano



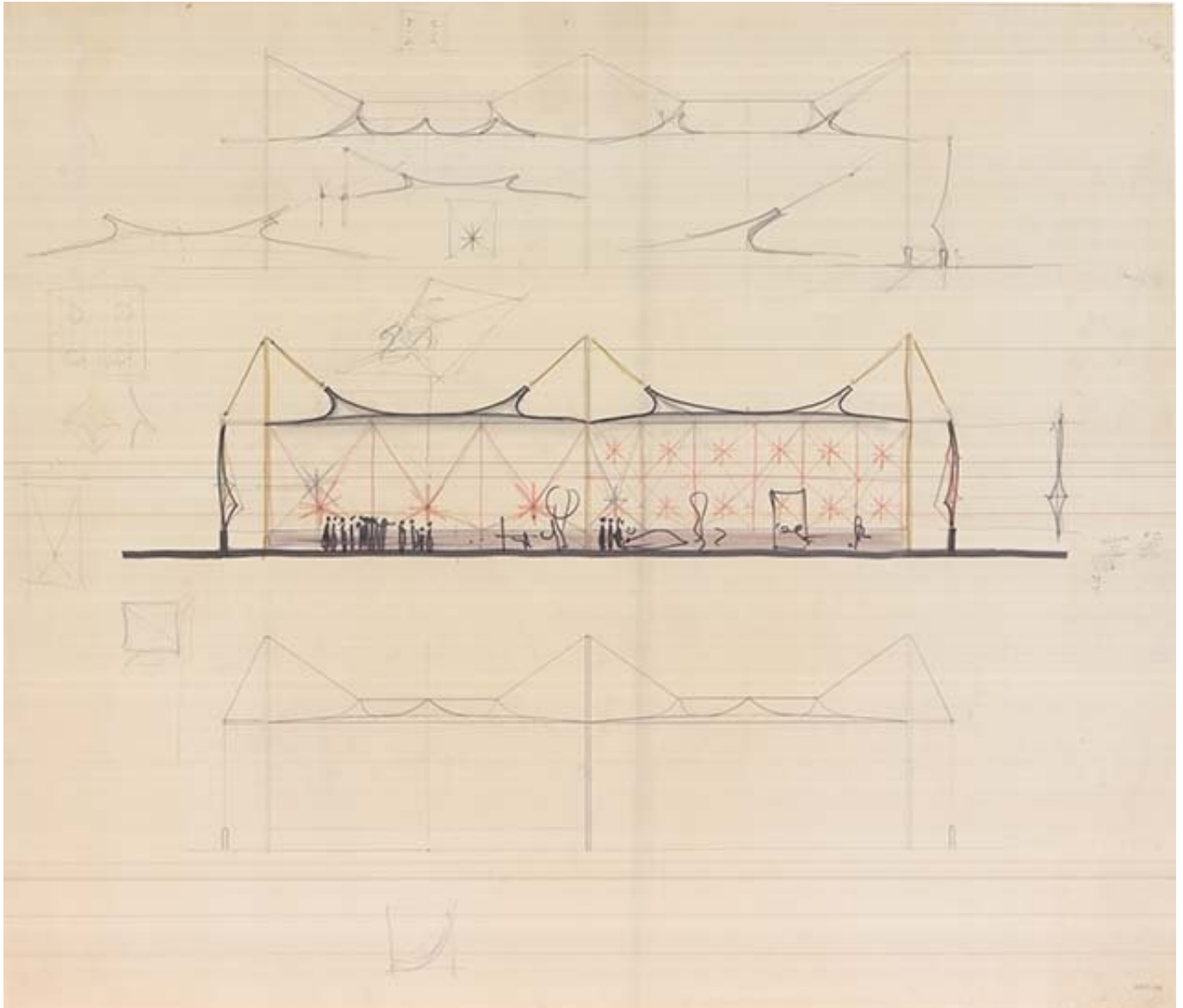
Title	(Study-elevations, sections, perspectives, details)
Scale	-
Size	100,50 x 75 cm
Date	1969
Drawing number	-
Drawing code	OSE_E_081
Author	Renzo Piano
Copyright	Fondazione Renzo Piano



Title	(Study-elevations, sections, perspectives, details)
Scale	-
Size	99 x 73 cm
Date	1969
Drawing number	-
Drawing code	OSE_E_084
Author	Renzo Piano
Copyright	Fondazione Renzo Piano



Title	(Study-elevations, sections, perspectives, details)
Scale	-
Size	98 x 74 cm
Date	1969
Drawing number	-
Drawing code	OSE_E_085
Author	Renzo Piano
Copyright	Fondazione Renzo Piano



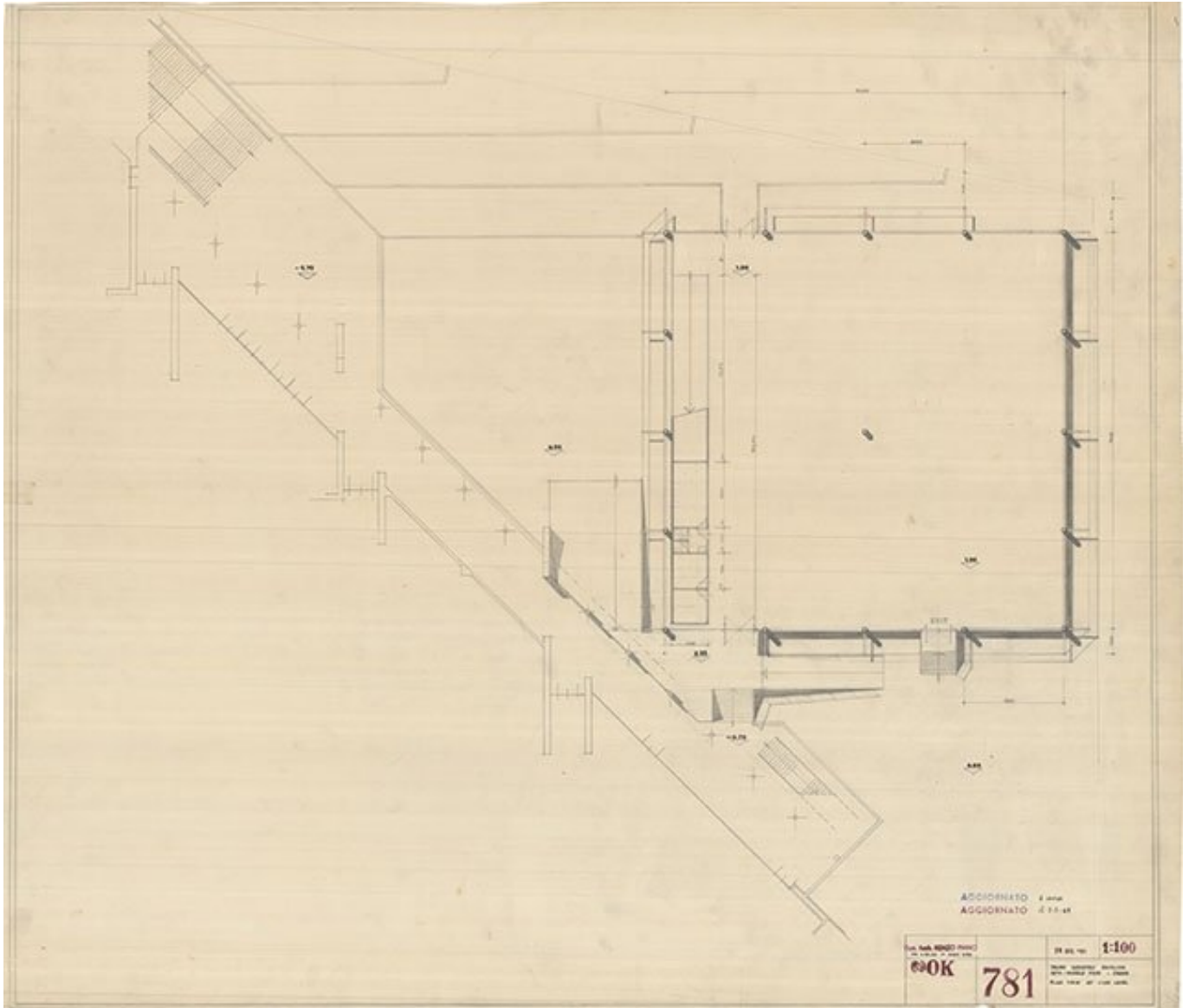
Title	(Study-elevations, sections)
Scale	-
Size	109 x 94 cm
Date	1969
Drawing number	-
Drawing code	OSE_E_096

Author

Renzo Piano

Copyright

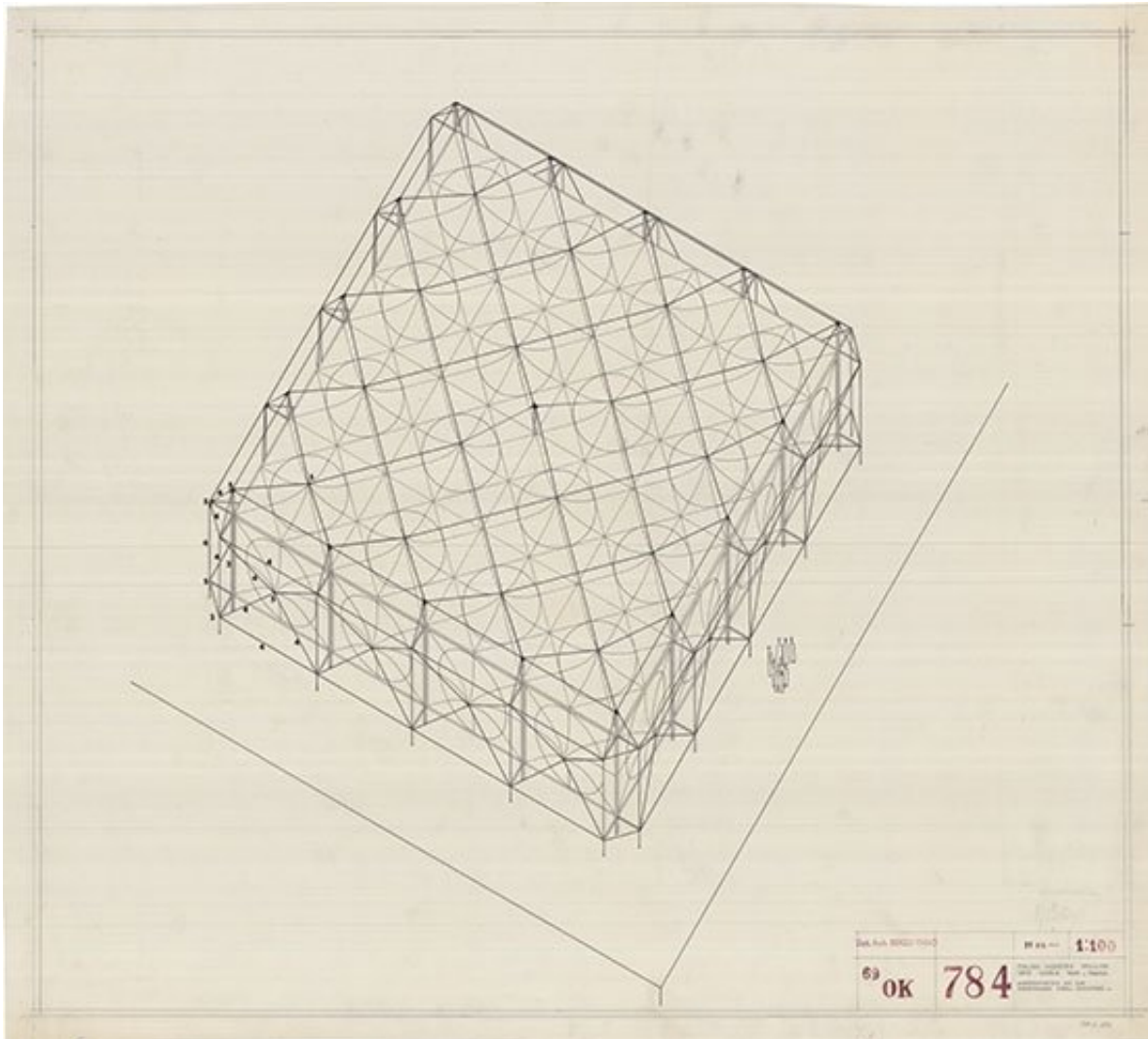
Fondazione Renzo Piano



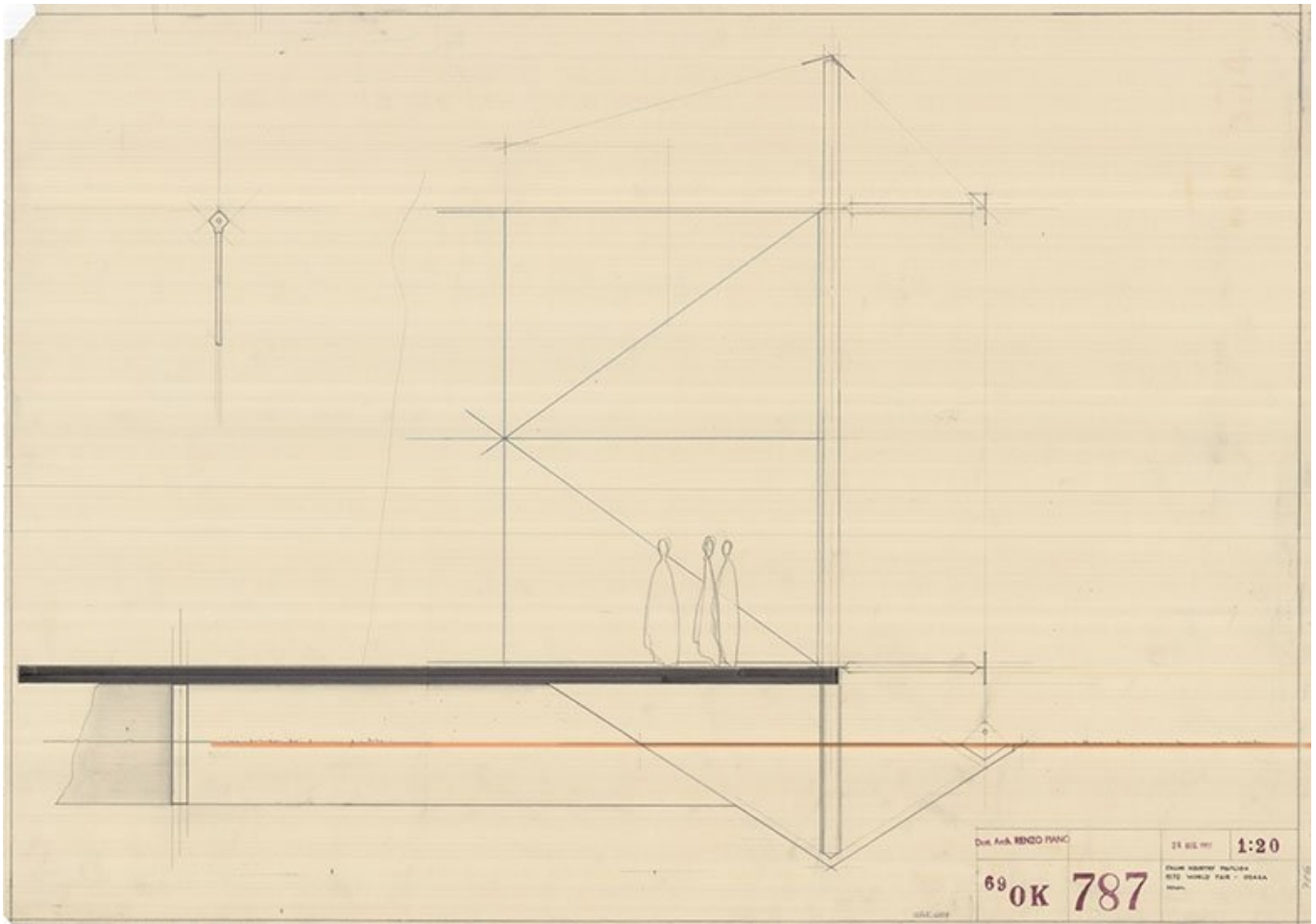
Title	Plan view at + 1.00 level
Scale	1:100
Size	100 x 86,50 cm
Date	1969/06/29
Drawing number	69 OK 781
Drawing code	OSE_E_002
Author	Renzo Piano

Copyright

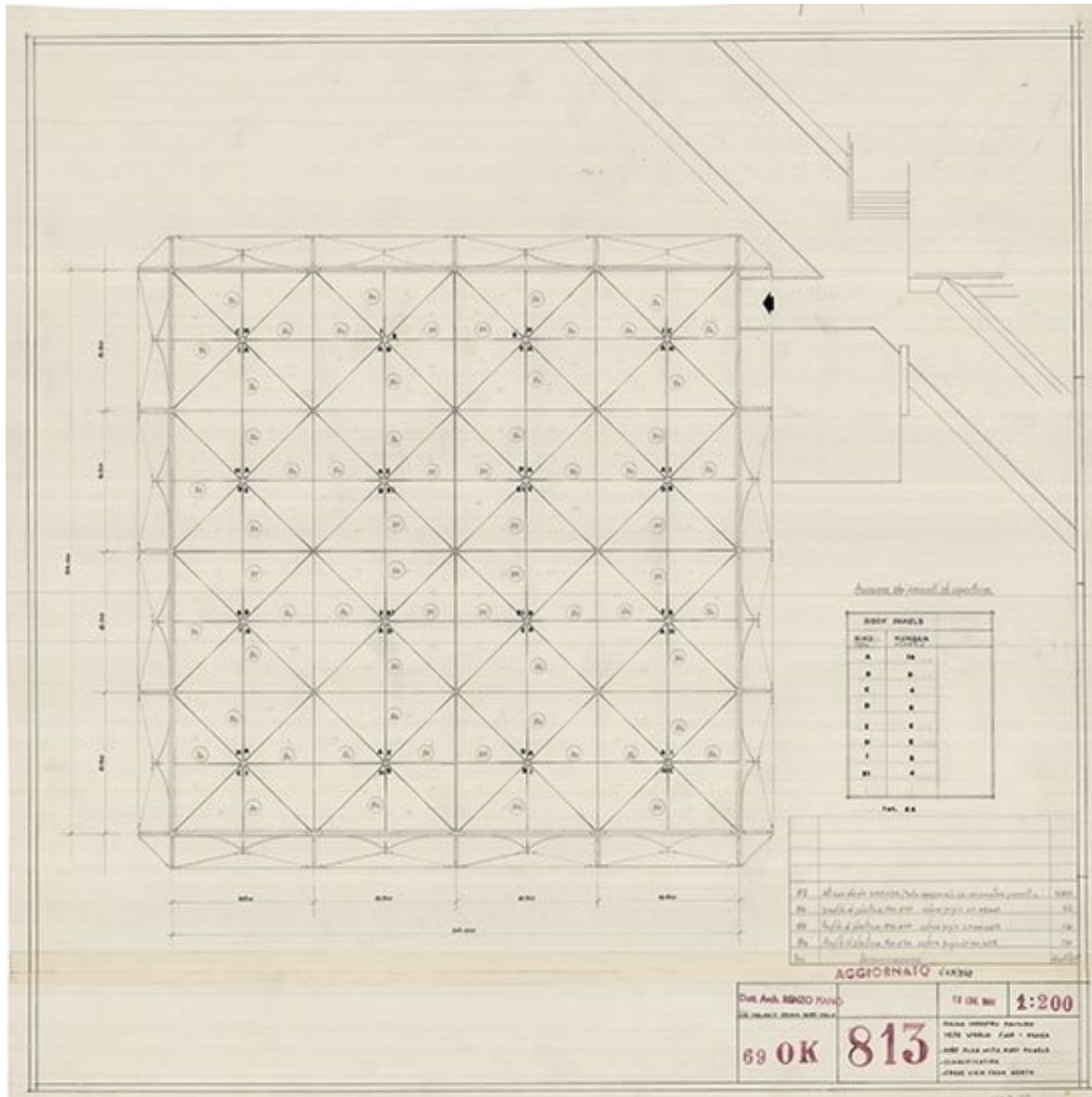
Fondazione Renzo Piano



Title	Assonometry of the prestressed steel structur
Scale	1:100
Size	80 x 88 cm
Date	1969/06/26
Drawing number	69 OK 784
Drawing code	OSE_E_004
Author	Renzo Piano
Copyright	Fondazione Renzo Piano



Title	Detail
Scale	1:20
Size	85 x 60,50 cm
Date	1969/06/26
Drawing number	69 OK 786
Drawing code	OSE_E_007
Author	Renzo Piano
Copyright	Fondazione Renzo Piano



Title Roof plan with roof panels - classification - front view from north

Scale 1:200

Size 65,50 x 65,50 cm

Date 1969/07/18

last revision 1969/01/29

Drawing number 69 OK 813

Drawing code

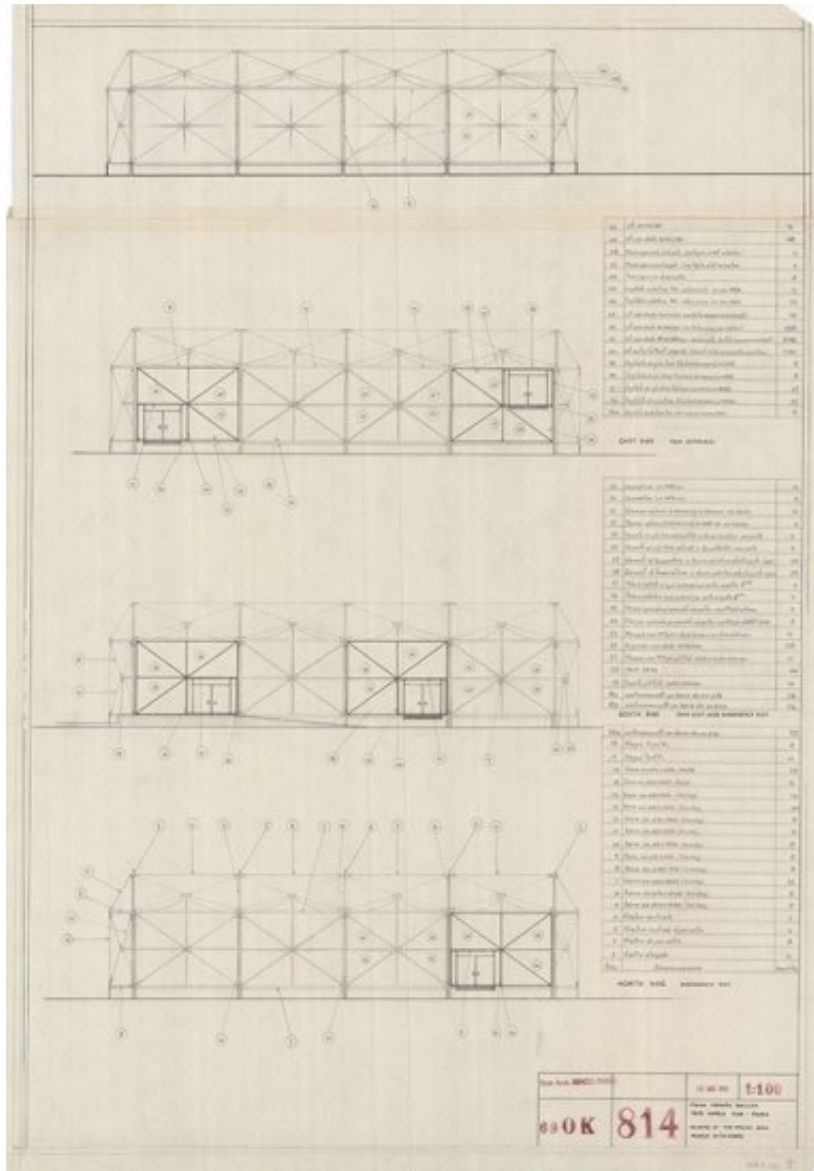
OSE_E_009

Author

Renzo Piano

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Title Scheme of the special wall panels with doors

Scale 1:100

Size 66 x 95 cm

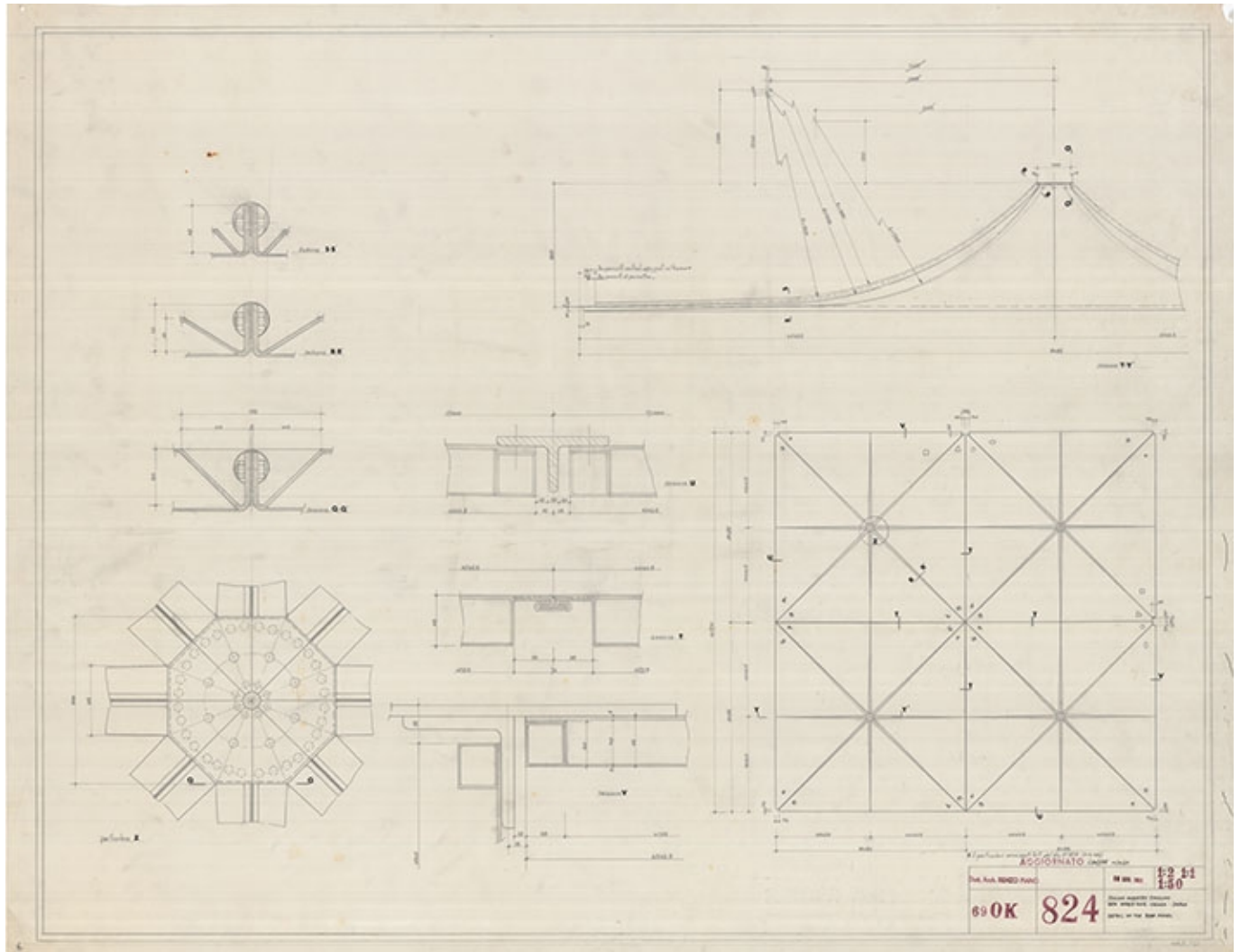
Date 1969/07/18

Drawing number 69 OK 814

Drawing code	OSE_E_010
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Author	Renzo Piano
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Copyright	Fondazione Renzo Piano
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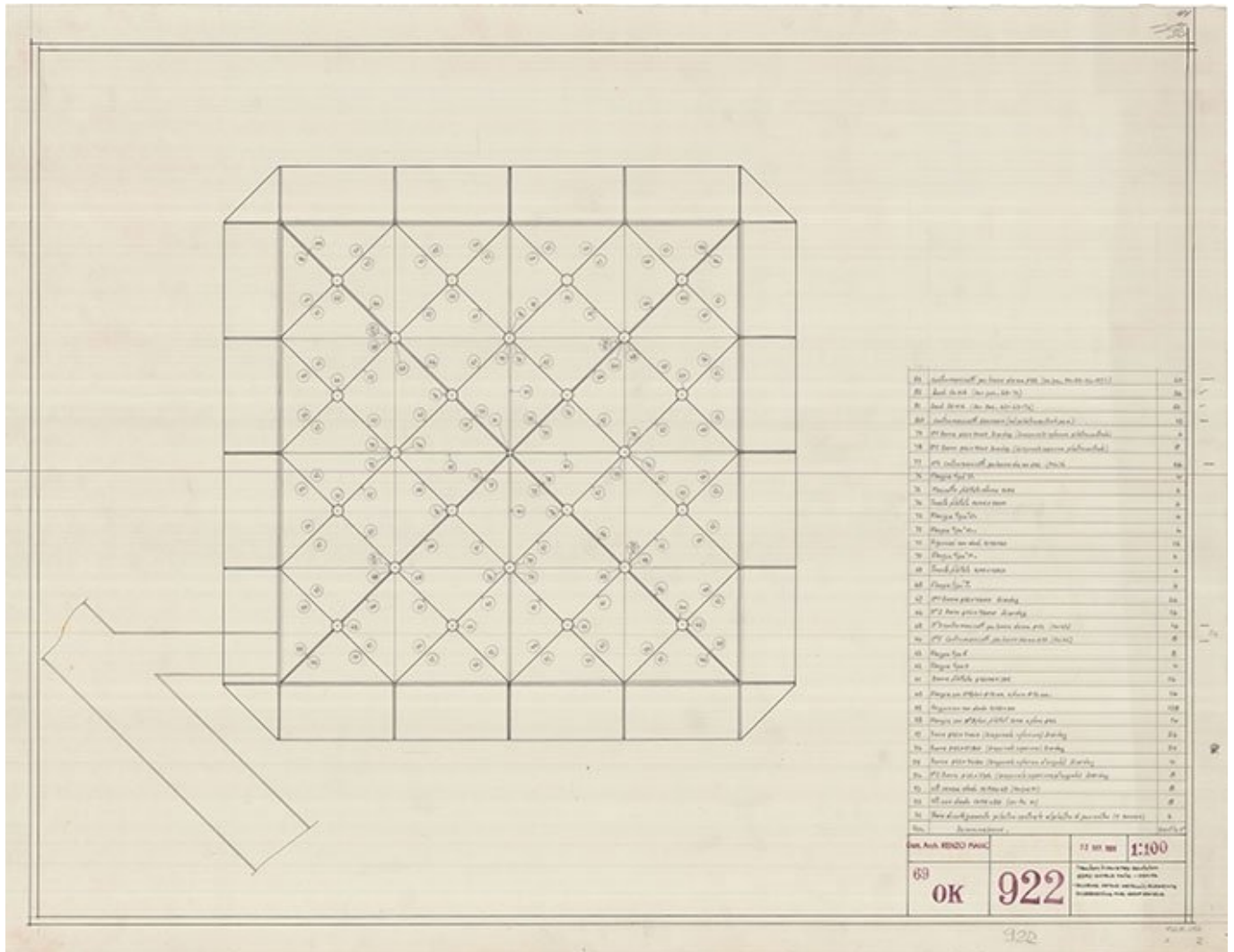
Title	Detail of the roof panel
Scale	1:2 1:1 1:50
Size	105,50 x 85 cm
Date	1969/07/18 last revision 1969/10/14

Drawing number	69 OK 824
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Drawing code	OSE_E_020
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Author	Renzo Piano
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Title	Scheme of the metallic elements supporting the roof panels
Scale	1:100
Size	90,20 x 70 cm
Date	1969/09/22
Drawing number	69 OK 922
Drawing code	OSE_E_057

Author

Renzo Piano

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