## Kansai International Airport Passenger Terminal Building



Kansai International Airport is located on an artificial island, specially built in Osaka Bay. The shape of the roof of the terminal arises from a long work on the dynamic lines of the air flows circulating in the building. It has been designed to convey air from the passenger side to the track side without requiring the use of closed conduits. Blade-like baffles guide the airflow along the ceiling and reflect the light coming from above. This eliminates all the elements that would have prevented the structure from being seen. Even the curves of the "wings" of the building are the result of the application of a strict law: they have been defined on the basis of a toroidal geometry. The curvature is almost imperceptible, but it was necessary to favor the side view from the control tower.



## Dati Progetto

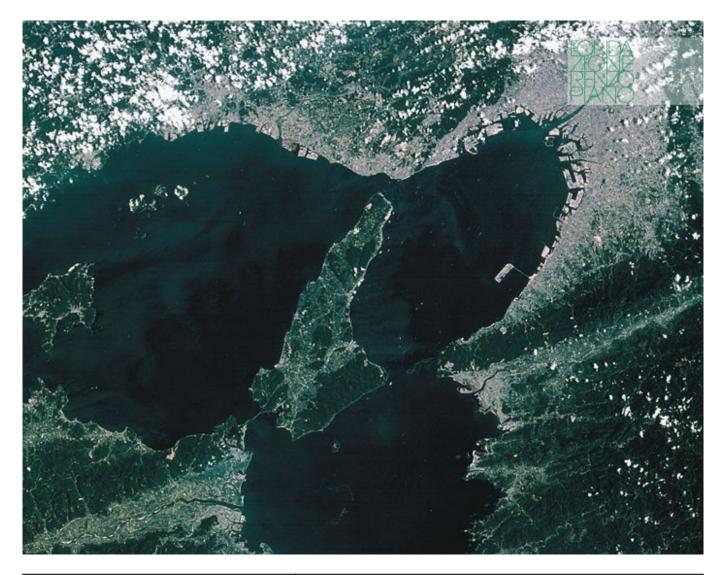
Competition1988Construction1991 - 1994Area of the artificial island4 km in leght by 1,2 km in width (3 km from the mainland)Total floor area113879 m2Lenght1734 mHeightMain terminal 38 m max Wings 28 m maxFloors4		
Area of the artificial island4 km in leght by 1,2 km in width (3 km from the mainland)Total floor area113879 m2Lenght1734 mHeightMain terminal 38 m max Wings 28 m max	Competition	1988
mainland)Total floor area113879 m2Lenght1734 mHeightMain terminal 38 m maxWings 28 m max	Construction	1991 - 1994
Lenght1734 mHeightMain terminal 38 m maxWings 28 m max	Area of the artificial island	<b>-</b>
Height Main terminal 38 m max Wings 28 m max	Total floor area	113879 m2
Wings 28 m max	Lenght	1734 m
	Height	Main terminal 38 m max
Floors 4		Wings 28 m max
	Floors	4

## Credits

Client	Kansai International Airport Co. Ltd.
Architect	Renzo Piano Building Workshop, architects – N. Okabe, senior partner in charge in association with Nikken Sekkei Ltd., Aéroports de Paris, Japan Airport Consultants Inc.
Consultants	Competition: Ove Arup & Partners (structure and services); M. Desvigne (landscaping)
	Basic design and detail design phases: Ove Arup & Partners (structure and services); Peutz & Associés (acoustics); R. J. Van Santen (facades); David Langdon & Everest, Futaba Quantity Surveying Co. Ltd. (cost control); K. Nyunt (landscaping)
	Construction phase: RFR (facades); Toshi Keikan Sekkei Inc. (canyon)



## Immagini



Subject	Satellite photograph shows new airport island off the Bay of Osaka's east coast. Osaka is around river mouth to north-east and to the west, almost closing mouth of bay
Date	-
Image code	Kan_003
Autore	
Copyright	Fondazione Renzo Piano





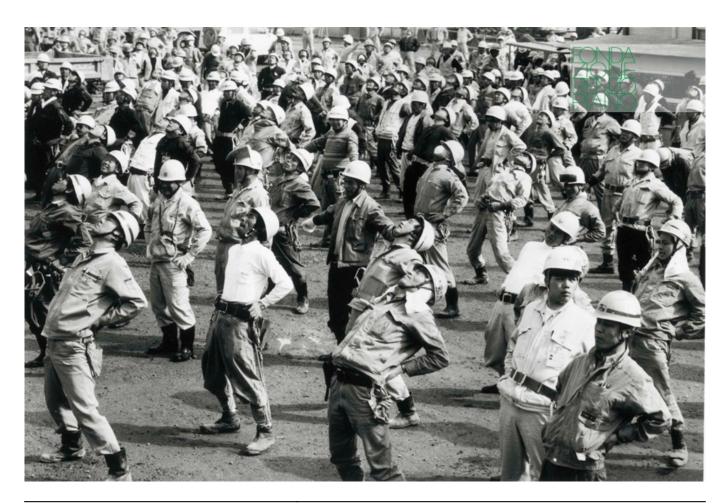
Subject	Island under construction: securing the perimeter with steel caissons
Date	_
Image code	Kan_012
Author	Hiwatashi, Kanji
Copyright	RPBW - Renzo Piano Building Workshop Architects Fondazione Renzo Piano





Subject	Aerial view of the site
Date	-
Image code	Kan_129
Author	-
Copyright	RPBW - Renzo Piano Building Workshop Architects Fondazione Renzo Piano KIAC





Subject	The building site lasted for 38 months, employing up to 10,000 workers. The crowd of workers was doing gymnastics every morning before the turn on the platform
Date	· -
Image code	Kan_214
Author	Berengo Gardin, Gianni
Copyright	Berengo Gardin, Gianni





Subject	Building under construction
Date	-
Image code	Kan_PH_CS_02291A
Author	-
Copyright	





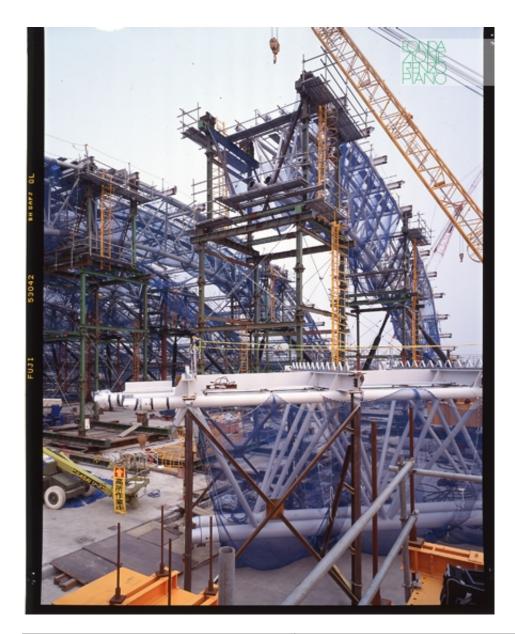
Subject	View of the building site
Date	-
Image code	Kan_PH_CS_02667
Author	Denancé, Michel
Copyright	Denancé, Michel





Subject	Building site
Date	_
Image code	Kan_PH_CS_02497
Author	Denancé, Michel
Copyright	Denancé, Michel





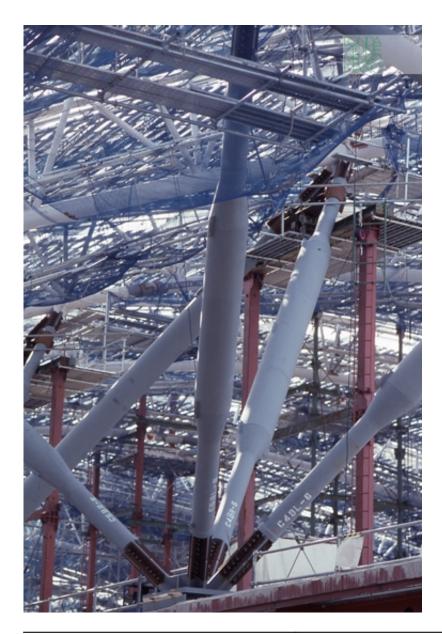
Subject	Building under construction - the roof struture
Date	_
Image code	Kan_PH_CS_02506
Author	Denancé, Michel
Copyright	Denancé, Michel





Subject	Worker assembling the structure
Date	-
Image code	Kan_PH_CS_02616
Autore	Denancé, Michel
Copyright	Denancé, Michel





Subject	Structure datail
Date	_
Image code	Kan_PH_CS_01810
Author	Hata, Yoshio
Copyright	Fondazione Renzo Piano





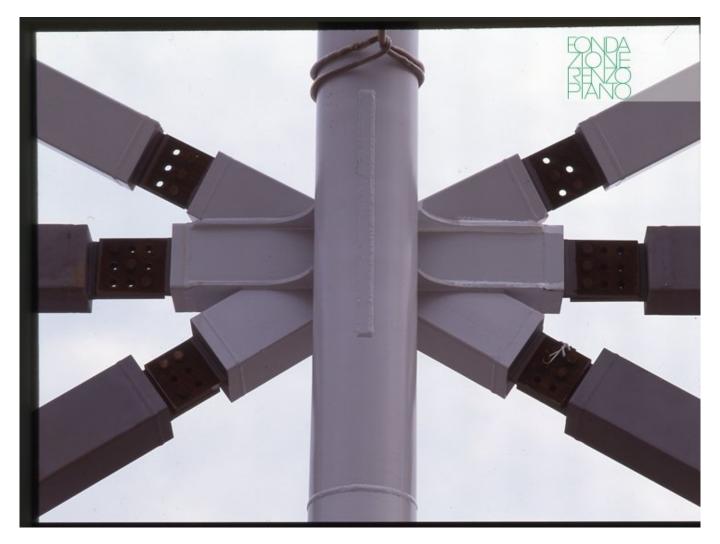
Subject	Structure datail
Date	-
Image code	Kan_PH_CS_03336
Autore	Okabe, Noriaki
Copyright	Fondazione Renzo Piano





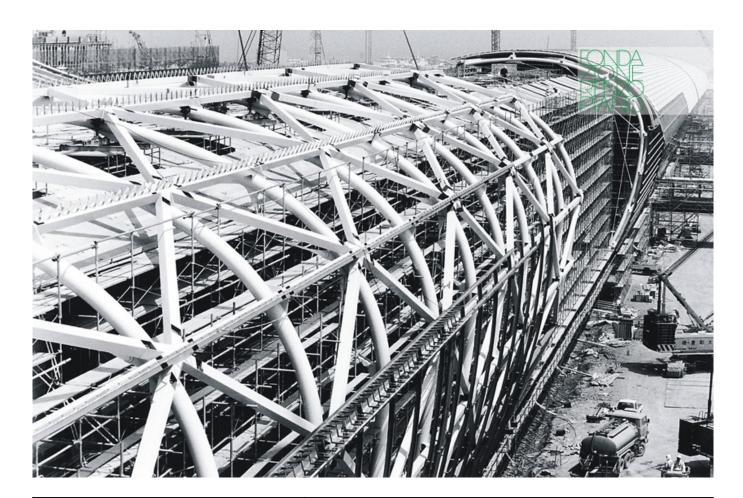
Subject	Structure under construction
Date	_
Image code	Kan_126
Author	Hata, Yoshio
Copyright	Fondazione Renzo Piano





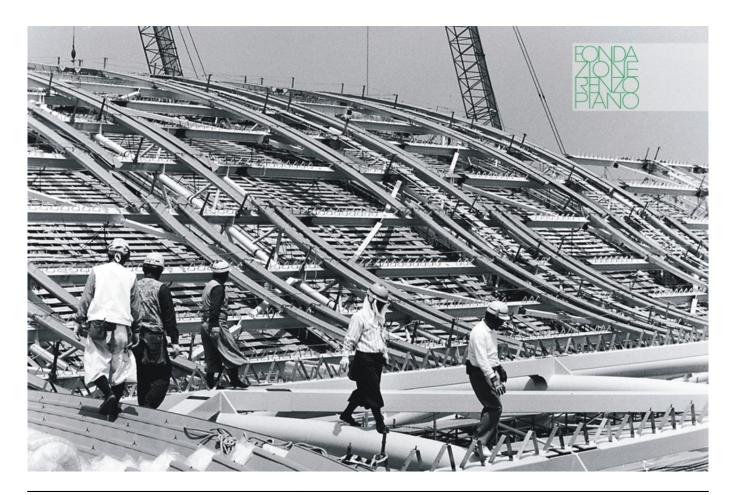
Subject	Joint detail
Date	-
Image code	Kan_PH_CS_02545
Author	Denancé, Michel
Copyright	Denancé, Michel





Subject	Along immens airside length of building, different phases of construction proceed simultaneously
Date	-
Image code	Kan_042
Author	Berengo Gardin, Gianni
Copyright	Berengo Gardin, Gianni





Subject	Construction phase of the roof
Date	-
Image code	Kan_049
Author	Berengo Gardin, Gianni
Copyright	Berengo Gardin, Gianni



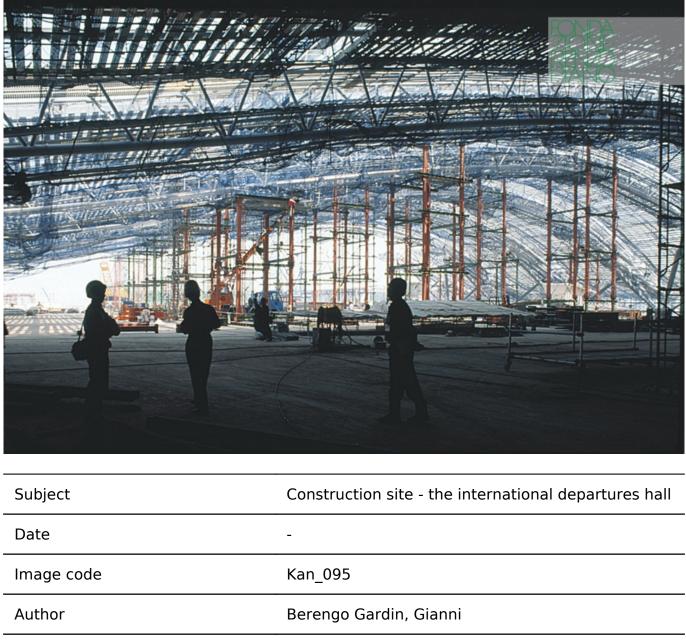
	A A A A A A A A A A A A A A A A A A A
Subject	Building of the roof
Date	
Image code	Kan_091
Author	
Copyright	Fondazione Renzo Piano





Subject	Construction site - the roof
Date	-
Image code	Kan_094
Author	Berengo Gardin, Gianni
Copyright	Berengo Gardin, Gianni

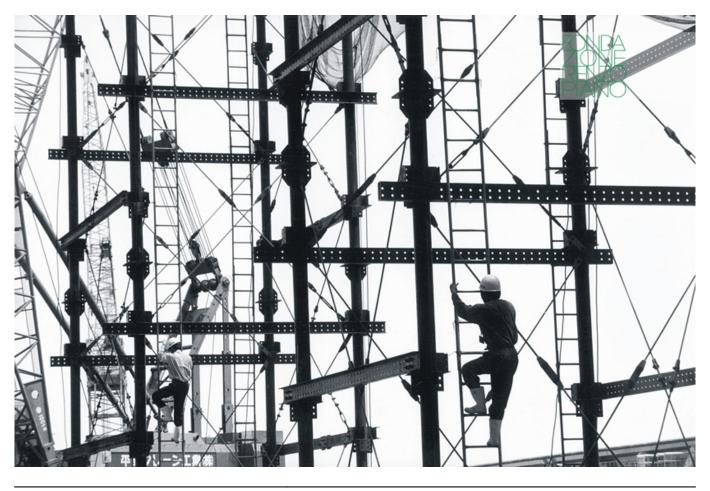




Copyright

Berengo Gardin, Gianni





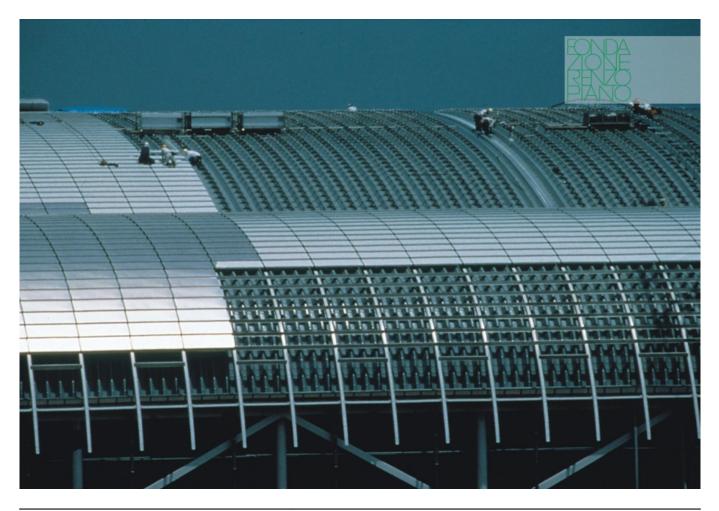
Subject	Workers on the contruction site
Date	-
Image code	Kan_105
Author	Berengo Gardin, Gianni
Copyright	Berengo Gardin, Gianni





Subject	Construction view brings home the immense scale of the boarding wing
Date	-
Image code	Kan_110
Author	Berengo Gardin, Gianni
Copyright	Berengo Gardin, Gianni





Subject	Roof detail during assembly
Date	_
Image code	Kan_117
Author	Hosokawa, Kazuaki
Copyright	Hosokawa, Kazuaki





Subject	Casing detail during assembly
Date	-
Image code	Kan_215
Author	-
Copyright	-



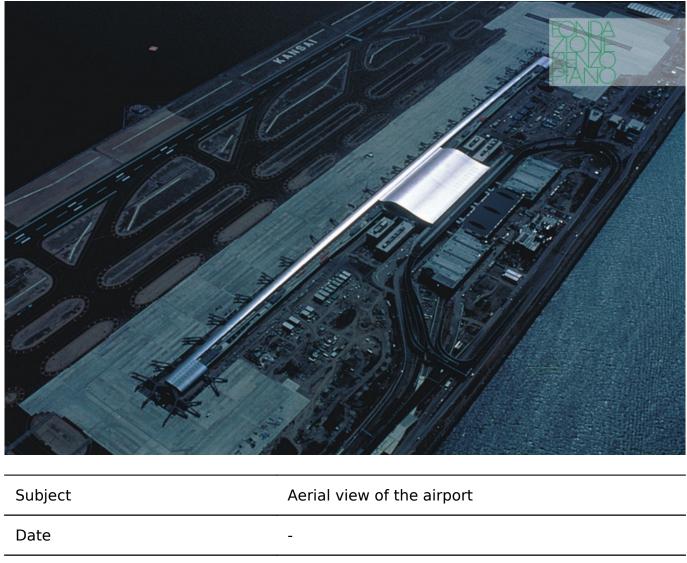
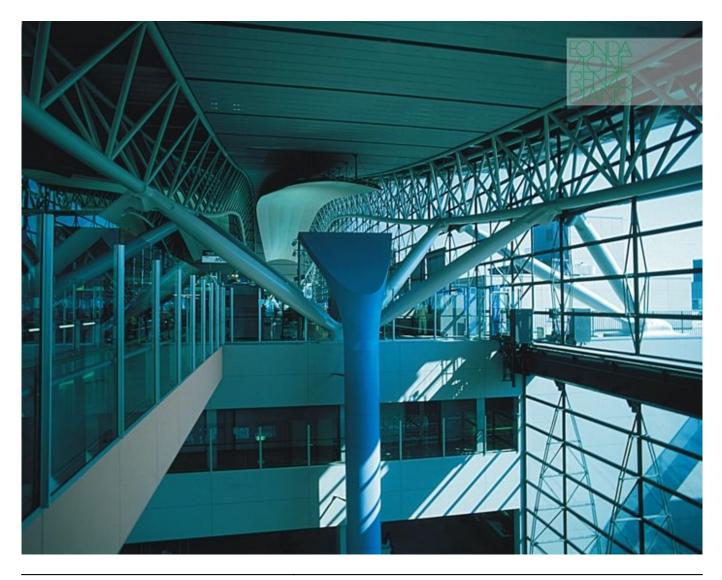


Image codeKan\_097AuthorHiwatashi, KanjiCopyrightFondazione Renzo Piano





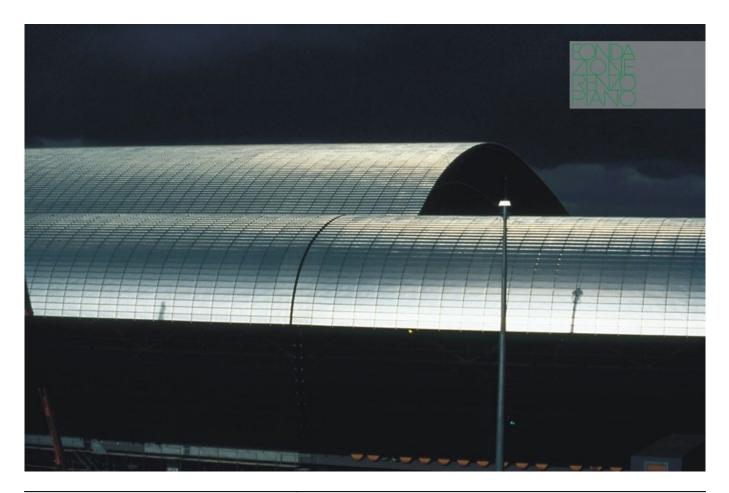
Subject	International departures hall. View across top of canyon
Date	-
Image code	Kan_098
Author	Ishida, Shunji
Copyright	Fondazione Renzo Piano





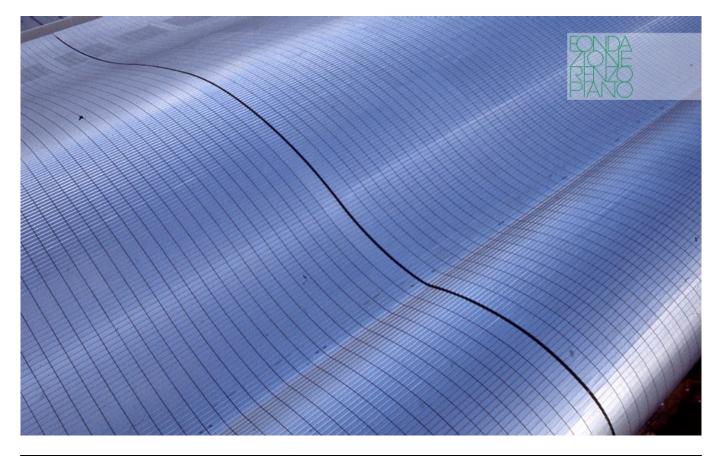
Subject	View from roof of cargo terminal shows curves of roof to best effect
Date	-
Image code	Kan_057
Author	Shinkenchiku-sha Co., Ltd.
Copyright	Fondazione Renzo Piano





Subject	External building view
Date	_
Image code	Kan_116
Author	Hata, Yoshio
Copyright	Fondazione Renzo Piano





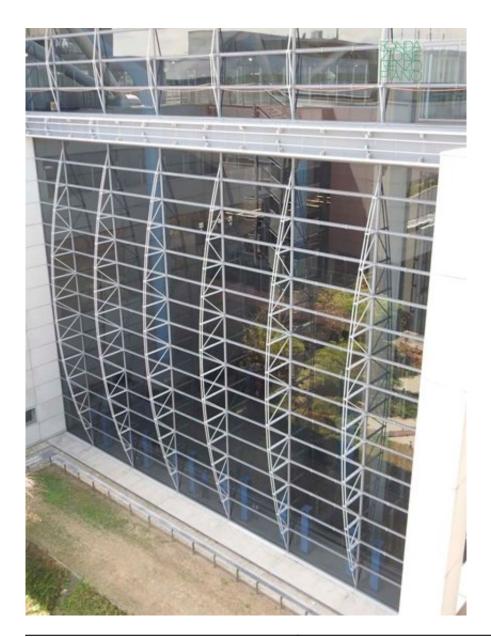
Subject	Coating detail
Date	_
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Author	Hata, Yoshio
Copyright	Fondazione Renzo Piano





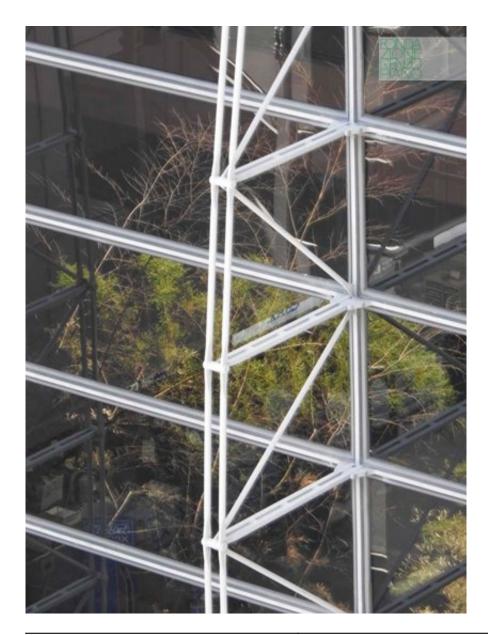
Subject	Departures drop-off: glazed gable-end of central terminal block offres dramatic night views of international departures hall with suspended air scoops
Date	_
Image code	Kan_009
Author	Hata, Yoshio
Copyright	Fondazione Renzo Piano





Subject	Windows architectural detail
Date	2016-08-22
Image code	Kan_235
Author	Ishida, Shunji
Copyright	Fondazione Renzo Piano





Subject	Windows architectural detail
Date	2016-08-22
Image code	Kan_236
Author	Ishida, Shunji
Copyright	Fondazione Renzo Piano





Subject	Joint detail
Date	2016-08-22
Image code	Kan_237
Author	Ishida, Shunji
Copyright	Fondazione Renzo Piano





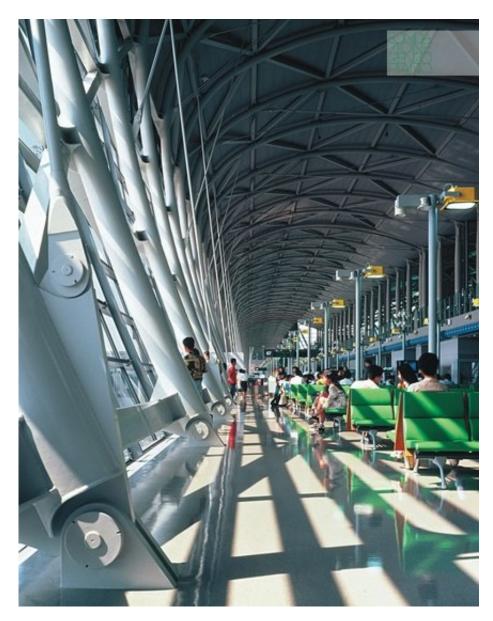
Subject	External building view
Date	-
Image code	Kan_152
Author	Ishida, Shunji
Copyright	Fondazione Renzo Piano





Subject	Swooping curves of roof and structure seen from departures level road
Date	-
Image code	Kan_104
Author	Ishida, Shunji
Copyright	Fondazione Renzo Piano





	1
Subject	View of an interior space
Date	
Image code	Kan_001
Author	Gilbert, Dennis
Copyright	Viewpictures





	The second se
Subject	Internal departures hall: sloping props create dramatic portal welcoming those arriving across bridge from departures drop-off
Date	
Image code	Kan_005
Author	Ishida, Shunji
Copyright	Fondazione Renzo Piano





Subject	Internal departures hall: passengers are led forward by the curves of structure and air-scoops. Sculptures by Susumu Shingu make visible the flow of the air-jets
Date	_
Image code	Kan_005
Author	Shingu, Susumu
Copyright	Shingu, Susumu





Subject	The canyon: view northwards. Those arriving from landside to left are immediately alerted to multi- level organisation of terminal and can change levels by escalator and lifts. Those arriving from abroad are immediately conformed by trees indigenous to Japan
Date	post 1994
Image code	Kan_008
Author	Shinkenchiku-sha Co., Ltd.



## Copyright





Subject	International departures lounge: Southern gable- end of hall. Fan-coil units in rectilinear blue posts compensate for heat losses or gains through the truss-stiffened glazing
Date	_
Image code	Kan_101
Author	Kinumaki, Yutaka
Copyright	Fondazione Renzo Piano

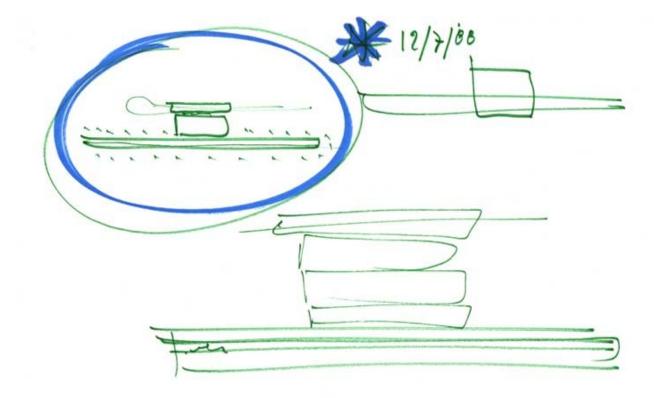




Subject	Domestic boarding lounge
Date	post 1994
Image code	Kan_111
Author	Newspaper Yomiuri
Copyright	Newspaper Yomiuri

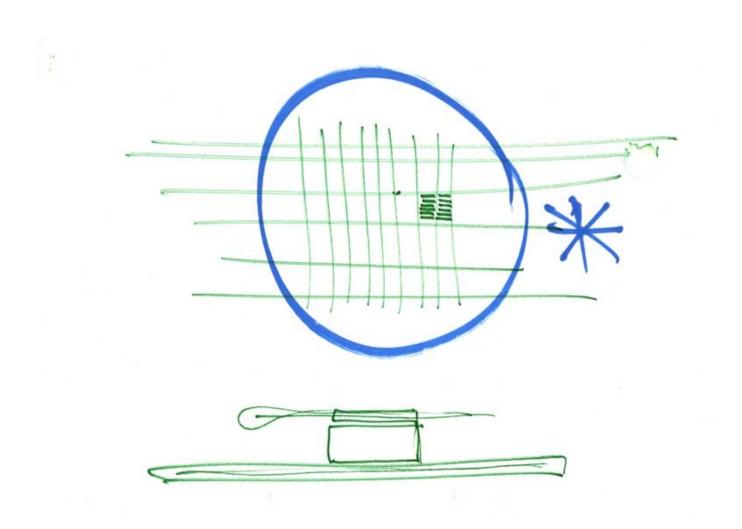


# Disegni



Title	-
Scale	
Size	A4
Date	1988/07/12
Drawing number	_
Drawing code	Kan-rp_002
Author	Renzo Piano
Copyright	Fondazione Renzo Piano





Title	-
Scale	_
Size	A4
Date	1988/07/12
Drawing number	_
Drawing code	Kan-rp_003
Author	Renzo Piano
Copyright	Fondazione Renzo Piano



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Renzo Piano

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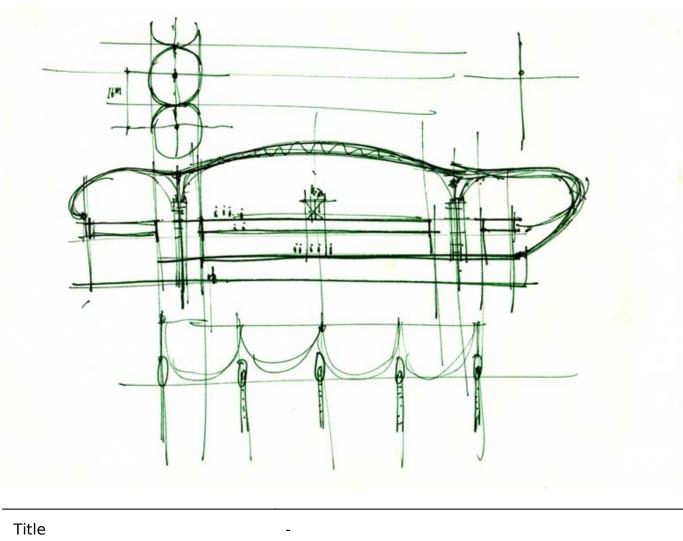
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Size	10x14 cm
Date	1991/09/01
Drawing number	-
Drawing code	Kan-rp_100



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Copyright





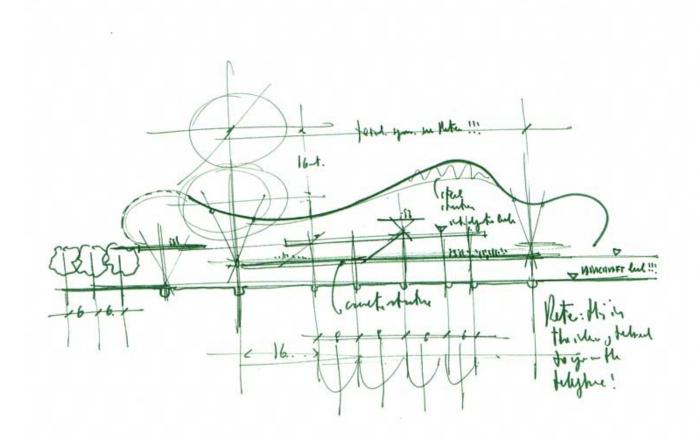
Scale	-
Dize	A4
Date	(1988)
Drawing number	
Drawing code	Kan-rp_113
Author	Renzo Piano
Copyright	Fondazione Renzo Piano



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Title	-
Scale	-
Size	A4
Date	1988/09/22
Drawing number	-
Drawing code	Kan-rp_118
Author	Renzo Piano
Copyright	Fondazione Renzo Piano



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Title	-
Scale	-
Size	A4
Date	(1989)
Drawing number	· _
Drawing code	Kan-rp_139
Author	Renzo Piano
Copyright	Fondazione Renzo Piano



	ROOF GRENCTVLE	SHINY ALUMINIUN INDUSTRIAL PRODUCTS LAYED OUT ON THE ISLAND.	
ж	EXTRUSION IS FAVOURED (NOT THE S	MOOTHER FLOWING FORME )	
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Title		Roof structure	
Scale	e	-	
Siza		A4	
Date		1988/08/24	
Draw	ving number	-	
Draw	ving code	Kan-rp_154	
Auth	or	Renzo Piano	
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HUNNON IG	HIMAN HIMAN
Title	-
Scale	
Size	A4
Date	1991/09
Drawing number	
Drawing code	Kan-rp_155
Author	Renzo Piano
Copyright	Fondazione Renzo Piano

22/3/27 Lomm.
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Scale -

Size

Date

10,50x14,80 cm

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Drawing number

Drawing code

Kan-rp\_174

1991/09

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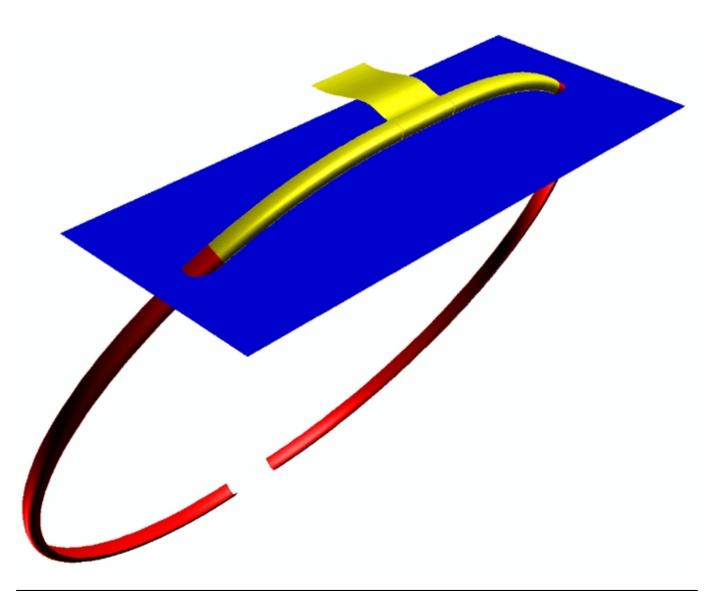
Renzo Piano

Copyright



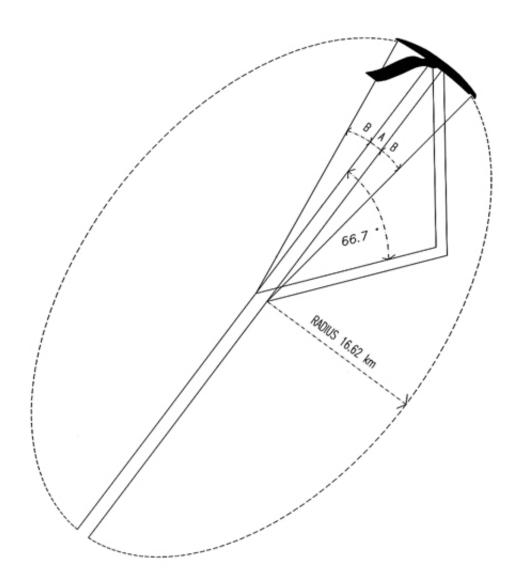
	NO N
Title	Geometry report
Scale	NTS
Date	1991/03/01
Drawing number	A4009
Drawing code	KAN_DW_020
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





Title	Geometrical study
Scale	NTS
Date	1990/01/01
Drawing number	-
Drawing code	KAN_DW_126
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano

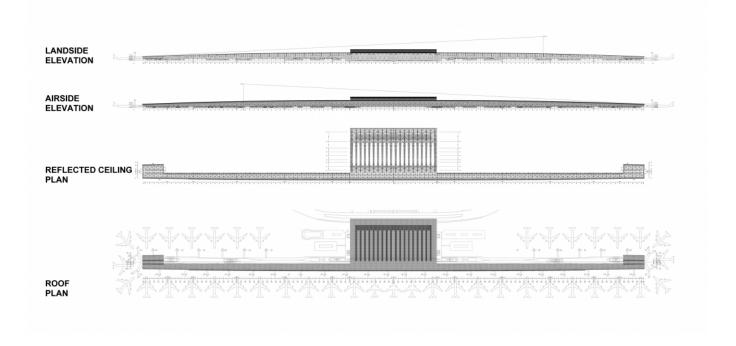




Title	Geometrical study
Scale	NTS
Date	1990/01/01
Drawing number	-
Drawing code	KAN_PH_DW_00455A
Author	Renzo Piano Building Workshop

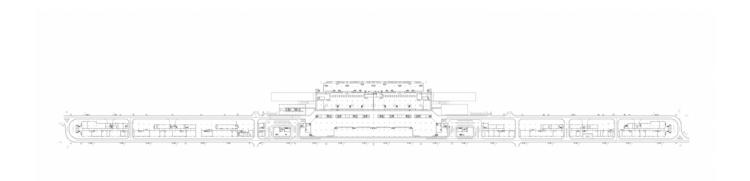


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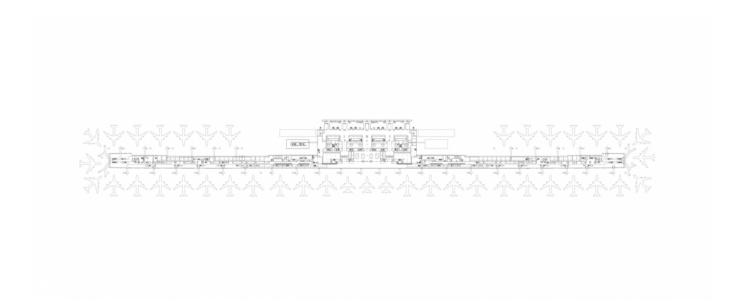
Title	Roof plan, Ref. ceiling plan, Elevations
Scale	1:2000
Date	1990/01/01
Drawing number	-
Drawing code	KAN_DW_114
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





Title	Plan level 1
Scale	1:1000
Date	1990/01/01
Drawing number	-
Drawing code	KAN_DW_122
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





Title	Plan level 2
Scale	1:1000
Date	1990/01/01
Drawing number	-
Drawing code	KAN_DW_123
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano



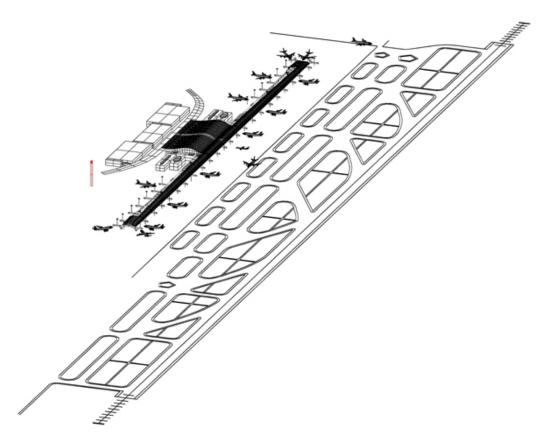
	00.50.		

Title	Plan level 3
Scale	1:1000
Date	1990/01/01
Drawing number	-
Drawing code	KAN_DW_124
Author	Renzo Piano Building Workshop
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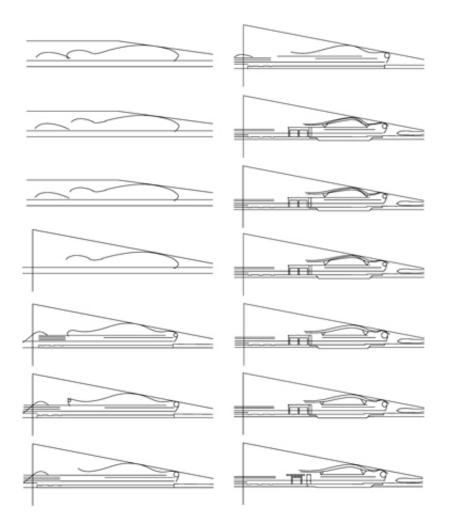
Title	Plan level 4
Scale	1:1000
Date	1990/01/01
Drawing number	-
Drawing code	KAN_DW_125
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





Title	Visibility study from the Control Tower
Scale	NTS
Date	1992/09/01
Drawing number	-
Drawing code	KAN_DW_078
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





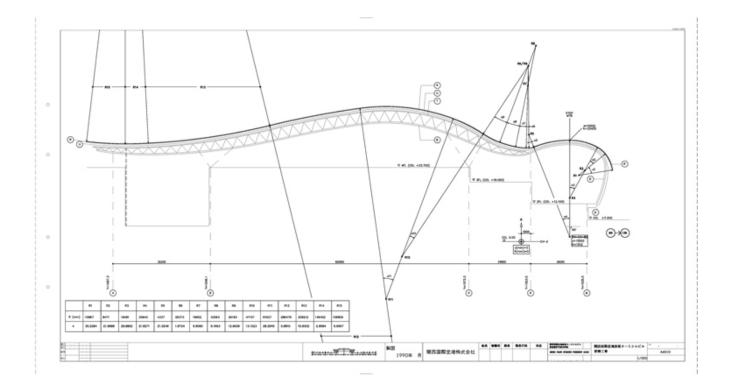
KANSAI INTERNATIONAL AIRPORT EVOLUTION OF GEOMETRY 2D FROM MARCH TO DECEMBER 1989

Title	Evolution of geometry 2D from March to December 1989
Scale	NTS
Date	1990/10/01
Drawing number	-
Drawing code	KAN_DW_080
Author	Renzo Piano Building Workshop



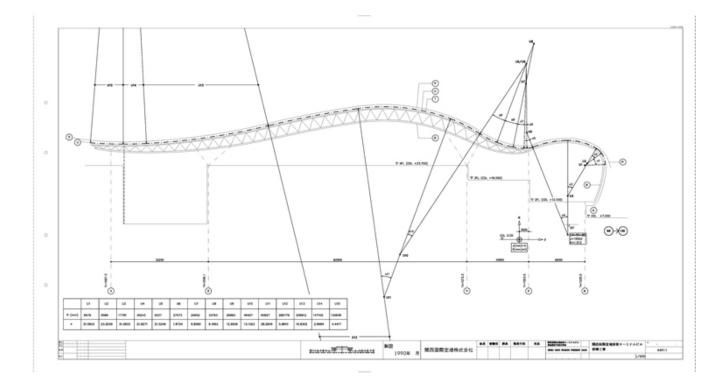
## Copyright





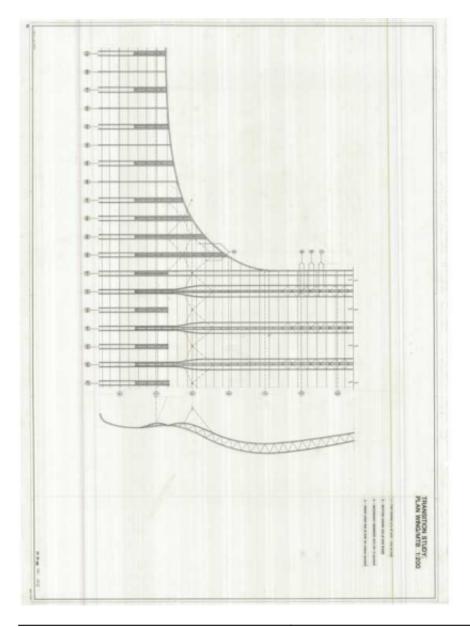
Title	Geometry report - G. L. 98/136
Scale	1:200
Date	1991/03/01
Drawing number	A4010
Drawing code	KAN_DW_021
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





Title	Geometry report - G. L. 98/136
Scale	1:200
Date	1991/03/01
Drawing number	A4011
Drawing code	KAN_DW_022
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





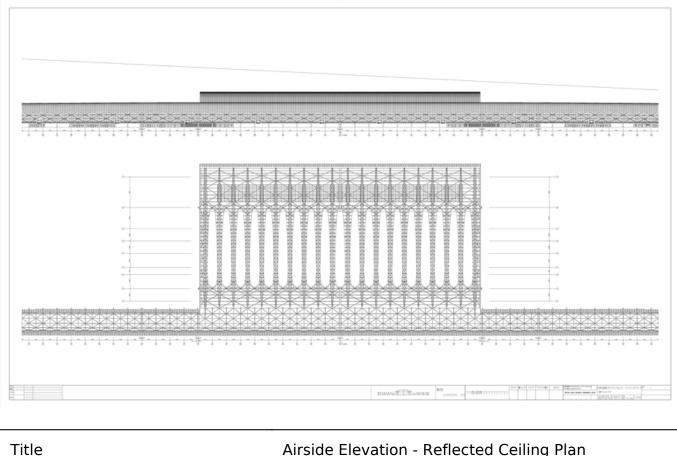
Title	Transition study. Plan Wing/MTB
Scale	N/A
Size	128 x 87,5 cm
Date	1989/09/22
Drawing number	SK162
Drawing code	KAN_E_010



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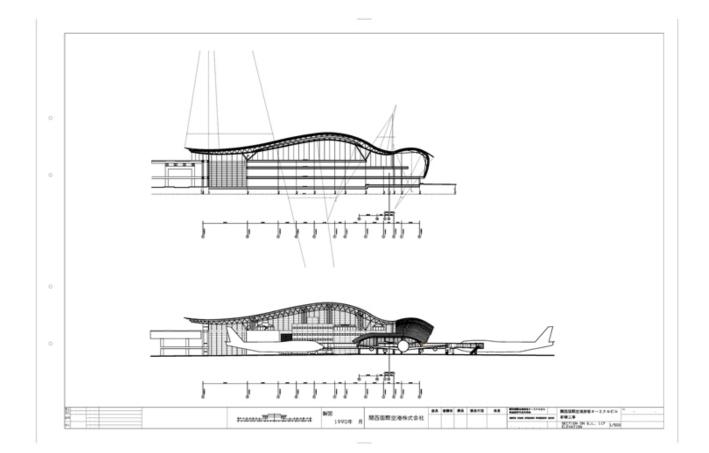
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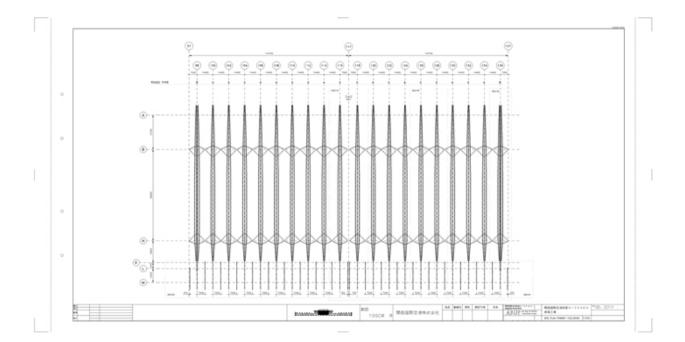
Scale	1:500
Date	1990/01/01
Drawing number	-
Drawing code	-
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





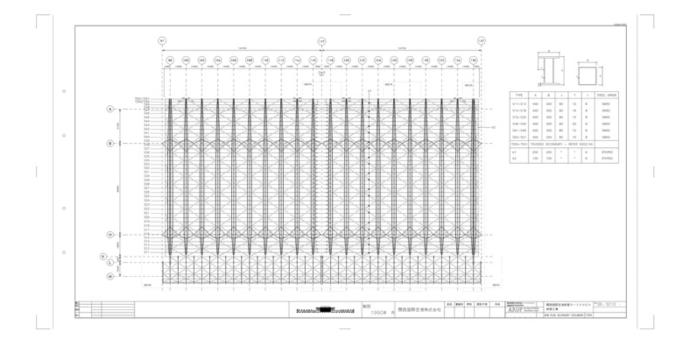
Title	Section on G.L. 117 - Elevation
Scale	1:500
Date	1990/10/01
Drawing number	-
Drawing code	KAN_DW_079
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





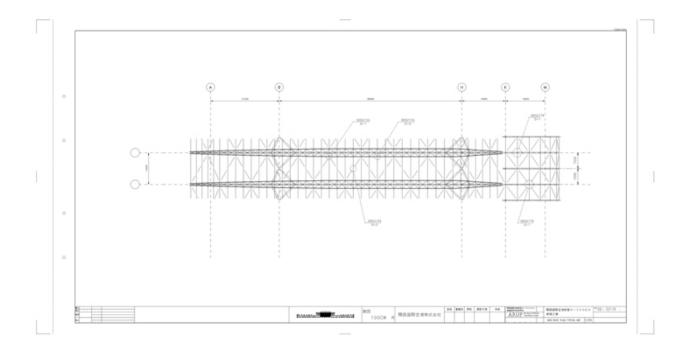
Title	MTB (Main Terminal Building) plan primary steelwork
Scale	1:500
Date	1990/09/01
Drawing number	DD - S2111
Drawing code	KAN_DW_081
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





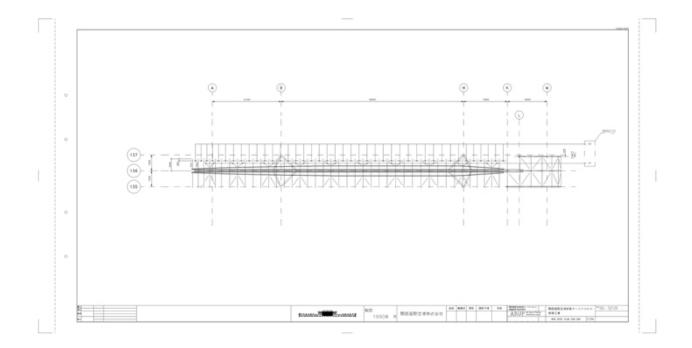
Title	MTB (Main Terminal Building) plan secondary steelwork
Scale	1:500
Date	1990/09/01
Drawing number	DD - S2112
Drawing code	KAN_DW_082
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





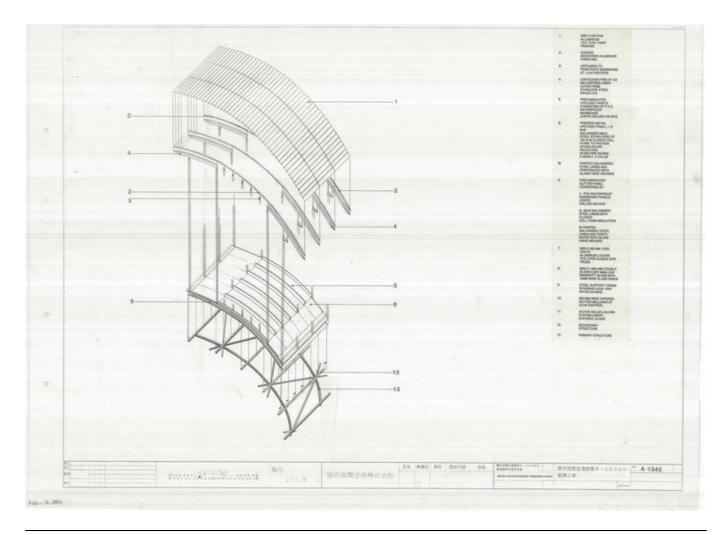
Title	MTB roof plan typical bay
Scale	1:250
Date	1990/09/01
Drawing number	DD - S2118
Drawing code	KAN_DW_086
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





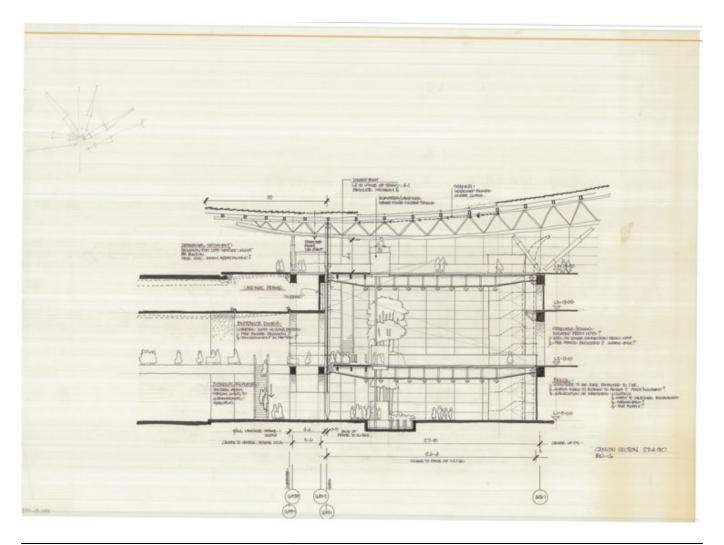
Title	MTB roof plan end bay
Scale	1:250
Date	1990/09/01
Drawing number	DD - S2120
Drawing code	KAN_DW_087
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





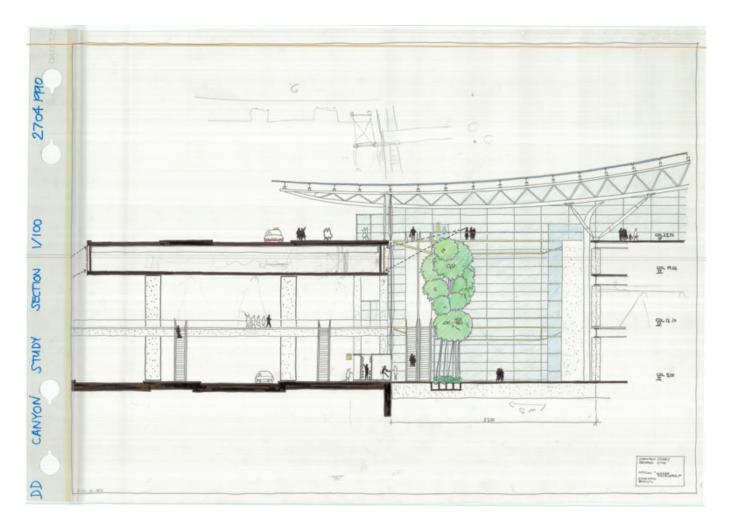
Title	Cladding pack
Scale	N/A
Size	78 x 59,2 cm
Date	1990/01/01
Drawing number	-
Drawing code	KAN_E_441
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





Title	Transition study. Canyon section.
Scale	N/A
Date	1990/04/27
Drawing number	-
Drawing code	KAN_E_079
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





Title	Canyon study
Scale	1:100
Date	1990/04/27
Drawing number	-
Drawing code	KAN_E_141
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





Size	89,5 x 80,5 cm
Title	Canyon perspective L2
Scale	N/A
Date	1989/12/19
Drawing number	SK199
Drawing code	KAN_E_088



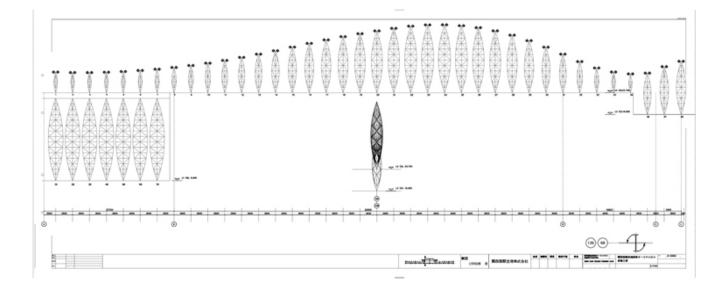
## Author

Renzo Piano Building Workshop

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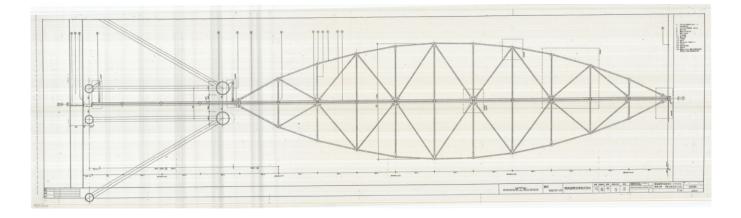
Fondazione Renzo Piano





Title	End wall masts
Scale	1:100
Date	1990/09/01
Drawing number	A-2284
Drawing code	KAN_DW_009
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





End wall mast - detailed elevation

Scale	1:10
Size	204 cm x 59,4 cm
Date	1990/12/01
Drawing number	11375
Drawing code	KAN_E_373
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano



KANSAI AIRPORT STRUCTURE	GEOMETRY	GEOMETRY	SIZE VARIATION	CONNECTION	ANGLE RANGE	SEISMIC JOINT CONDITION	ARMPIT	BOARDING	EDGE CONDITI	DN	
CHECKLIST	LOCATION	1983-	arreading as		HAAAGE	CONDITION	CONDITION	BRIDGES	AIR SIDE (A/S)	LAND SIDE (L/S)	WING END (W/E)
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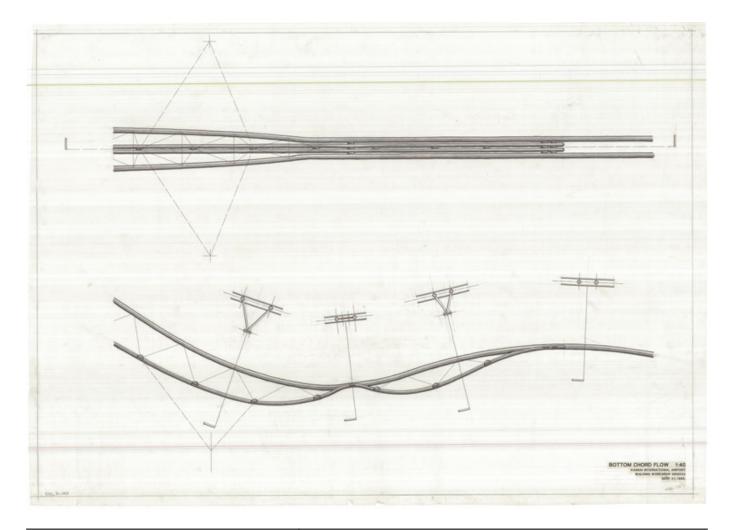
Title	Kansai airport structure checklist
Scale	N/A
Size	71 x 61,5 cm
Date	1990/04/01
Drawing number	-
Drawing code	KAN_E_154
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano



5700	CTURE CRUST	PORT	GEOMETRY AND LOCATION	BEOMELTY VARIATION	- dATION	CONNECTION CASES	ANGLE RANGE	SERVIC JOINT OC.IDITION	A1: 51 C. 51	LEDGE CONOTION	AIR EDE (A/II)	UND 975 9 /9	SPECIAL CASES	
ABALABY	18/155	00-01000		West western construct Roof, Aug. Schwitt, Roof, Mark Schwitt, Roof Marking Construct Construction of State Schwitzberger Schwitz Bennie Saterierich	O delite in ord	Y		E MA	ŀ.	X		YY		
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	CIGAR LEGS		<u>========</u>		Active April 10	1		NZ	N/A	giartes. Ale gravates anno alexan.	N/A	N/A		
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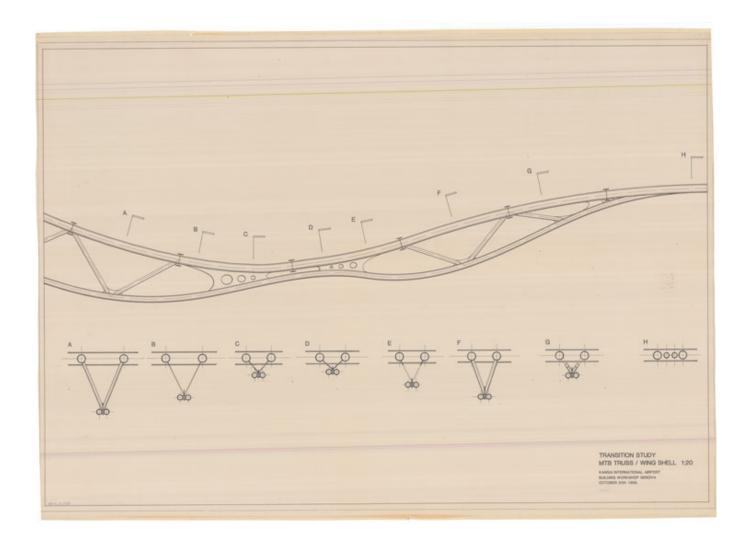
Title	Kansai airport structure checklist
Scale	N/A
Size	91 x 61,5 cm
Date	1990/04/01
Drawing number	-
Drawing code	KAN_E_155
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





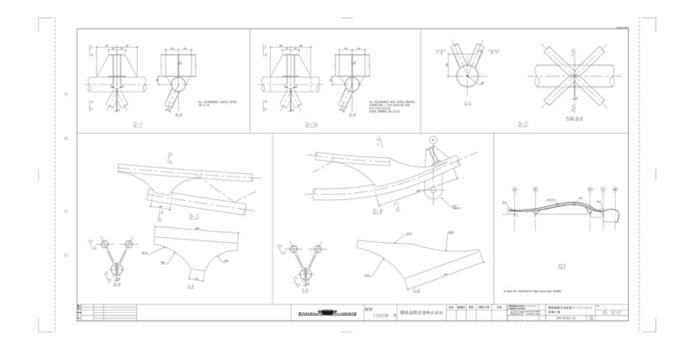
Title	Bottom chord flow
Scale	N/A
Size	117,5 x 84 cm
Date	1989/09/21
Drawing number	SK163
Drawing code	KAN_E_009
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





Title	Transition study. MTB Truss/Wing shell
Scale	N/A
Size	121 x 87,5 cm
Date	1989/10/20
Drawing number	-
Drawing code	KAN_E_012
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





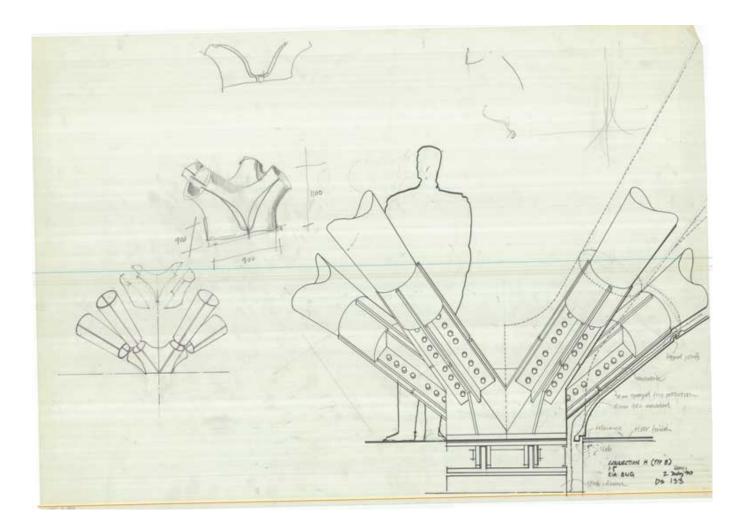
Title	MTB details (2)
Scale	1:10
Date	1990/09/01
Drawing number	DD S2137
Drawing code	KAN_DW_090
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano



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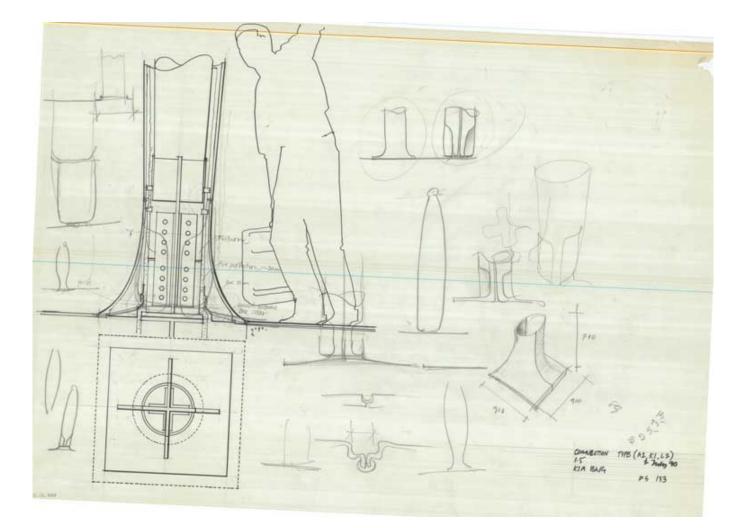
Title	Connection KA
Scale	1:5
Size	89,1 x 59,4 cm
Date	1990/07/03
Drawing number	DS129
Drawing code	KAN_E_200
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





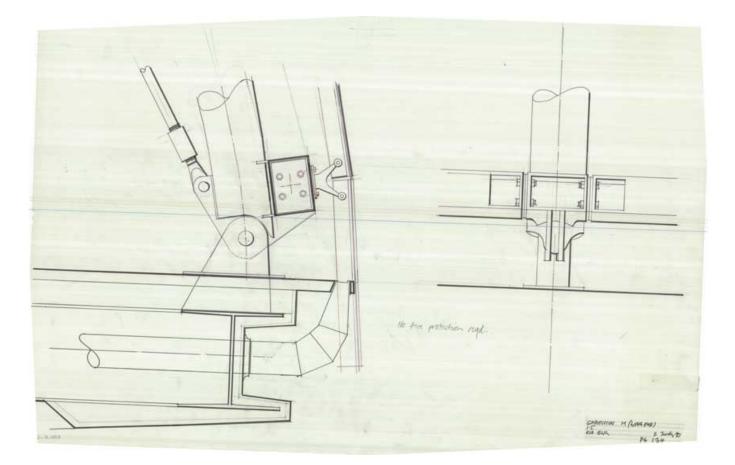
Title	Connection H -Type B
Scale	1:5
Size	89,1 x 59,4 cm
Date	1990/07/02
Drawing number	DS133
Drawing code	KAN_E_206
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





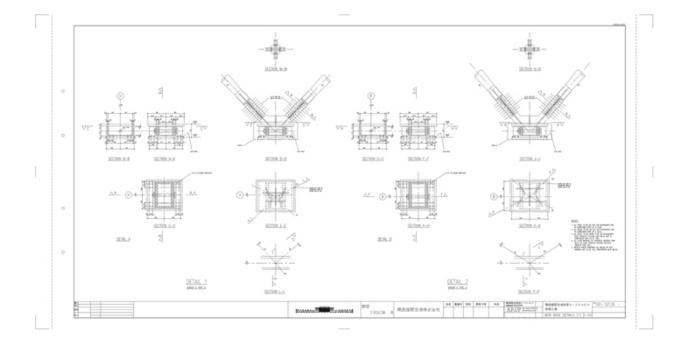
Title	Connection- Type A1, K1, L2
Scale	1:5
Size	84,1 x 59,4 cm
Date	1990/07/02
Drawing number	DS133
Drawing code	KAN_E_207
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





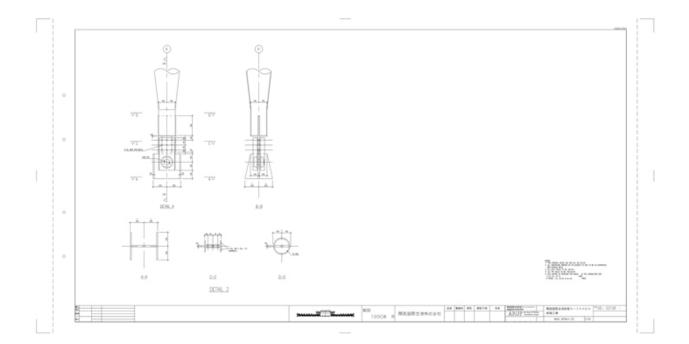
Title	Connection M- Wing End
Scale	1:5
Size	81,4 x 59,4 cm
Date	1990/07/02
Drawing number	DS134
Drawing code	KAN_E_208
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





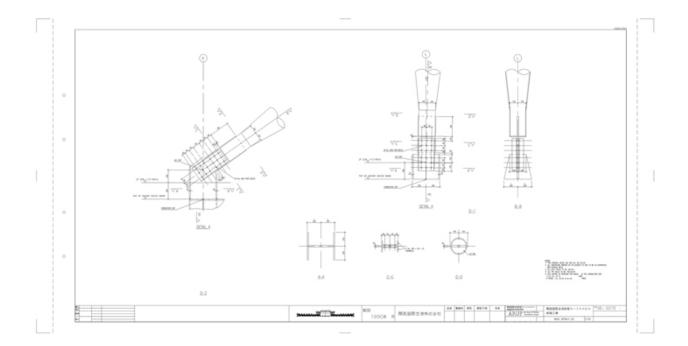
Title	MTB base details (1)
Scale	1:20
Date	1990/09/01
Drawing number	DD - S2126
Drawing code	KAN_DW_088
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





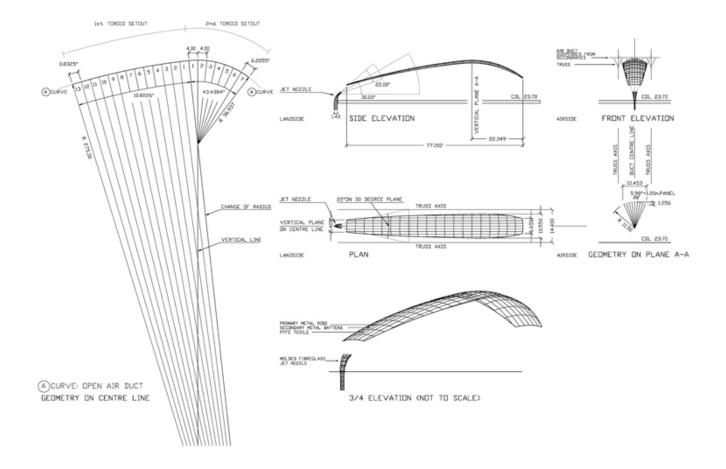
Title	Base detail (3)
Scale	1:10
Date	1990/09/01
Drawing number	DD - S2128
Drawing code	KAN_DW_089
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





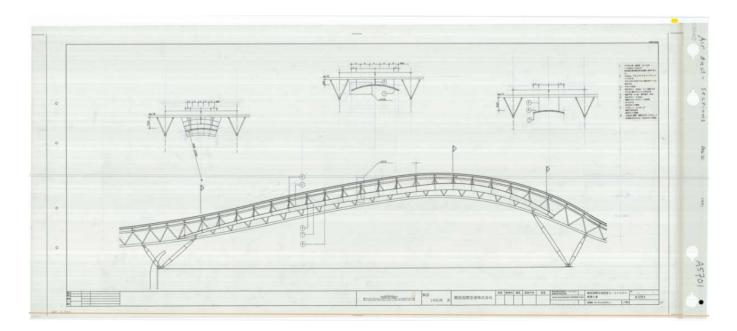
Title	Base detail (4)
Scale	1:10
Date	1990/09/01
Drawing number	DD - S2172
Drawing code	KAN_DW_101
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





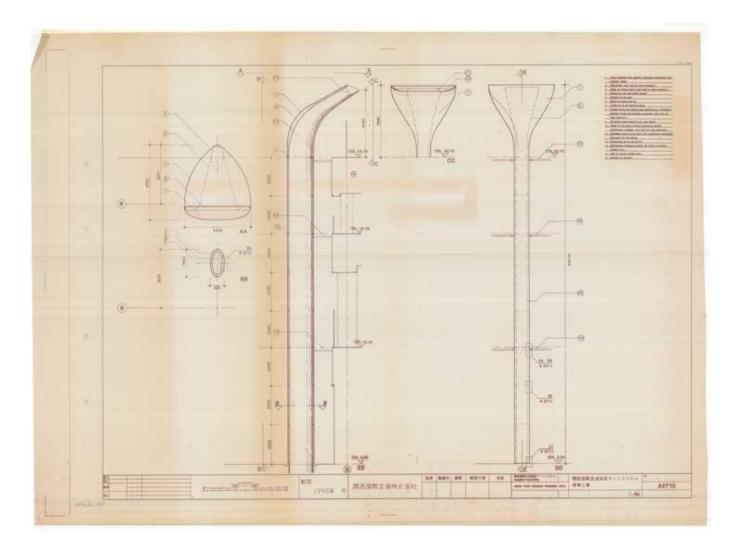
Title	Open air duct - geometry
Scale	NTS
Date	1990/09/01
Drawing number	-
Drawing code	KAN_DW_112
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





Title	Aird duct - sections
Scale	1:5
Size	136,5 x 59,5 cm
Date	1991/02/26
	Issue presentation 1990/12/01
Drawing number	A5701
Drawing code	KAN_E_139
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





Title	Air duct - detail
Scale	1:50
Size	82 x 60,4 cm
Date	1990/01/01
	Issue presentation 1990/12/01
Drawing number	A2710
Drawing number Drawing code	· · · · ·
	A2710



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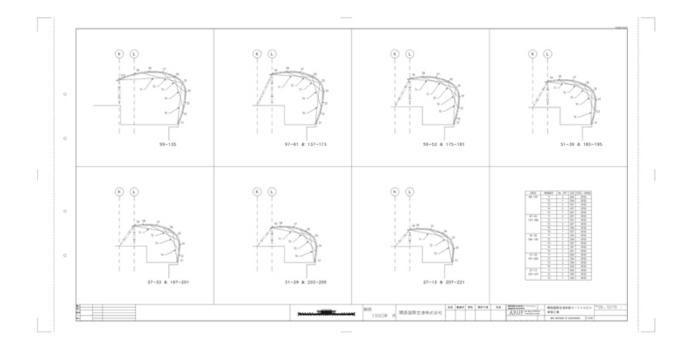
Fondazione Renzo Piano



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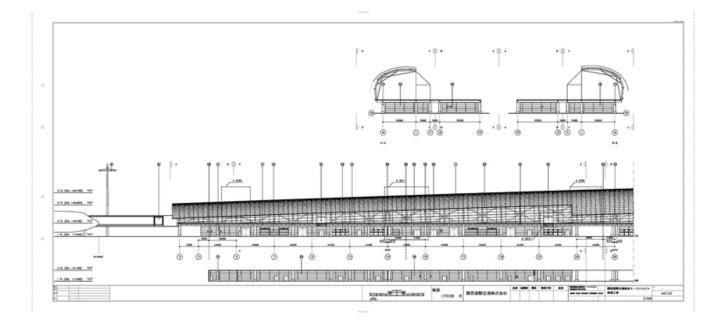
Title	Section
Scale	_
Date	_
Drawing number	_
Drawing code	KAN_173
Author	_
Copyright	Fondazione Renzo Piano





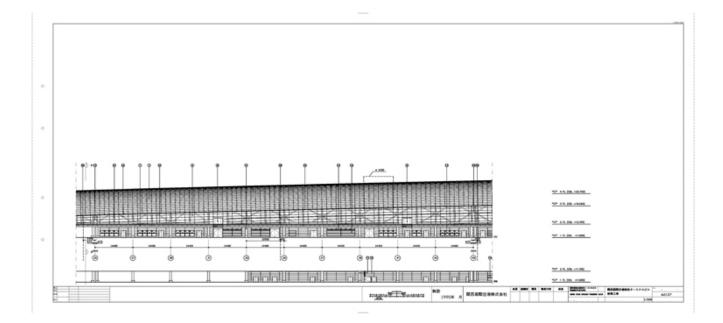
Title	Wing diaphragm tie configuration
Scale	1:200
Date	1990/09/01
Drawing number	DD - S2170
Drawing code	KAN_DW_100
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





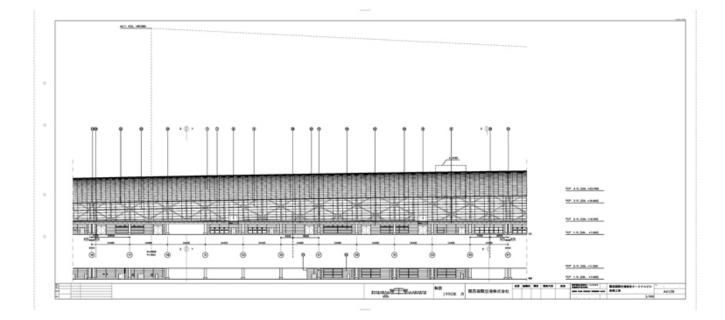
Title	Airside elevation G. L. 2 $\div$ 25
Scale	1:200
Date	1991/03/01
Drawing number	A6126
Drawing code	KAN_DW_040
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





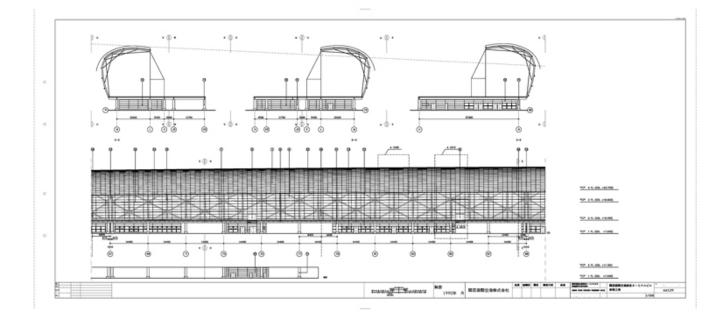
Title	Airside elevation G. L. $25 \div 45$
Scale	1:200
Date	1991/03/01
Drawing number	A6127
Drawing code	KAN_DW_041
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





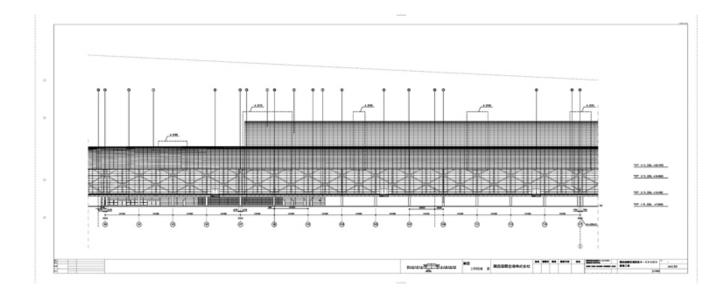
Title	Airside elevation G. L. $45 \div 67$
Scale	1:200
Date	1991/03/01
Drawing number	A6128
Drawing code	KAN_DW_042
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





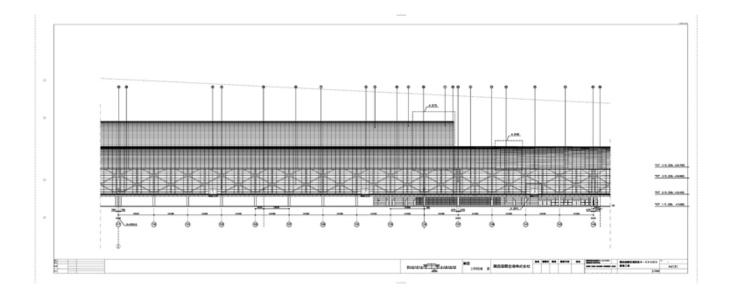
Title	Airside elevation G. L. $67 \div 89$
Scale	1:200
Date	1991/03/01
Drawing number	A6129
Drawing code	KAN_DW_043
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





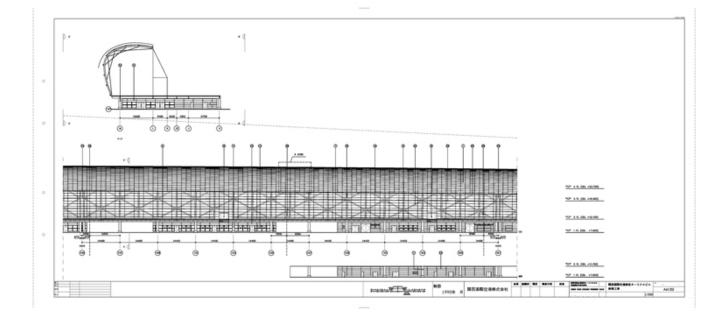
Title	Airside elevation G. L. 89 ÷ 117
Scale	1:200
Date	1991/03/01
Drawing number	A6130
Drawing code	KAN_DW_044
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





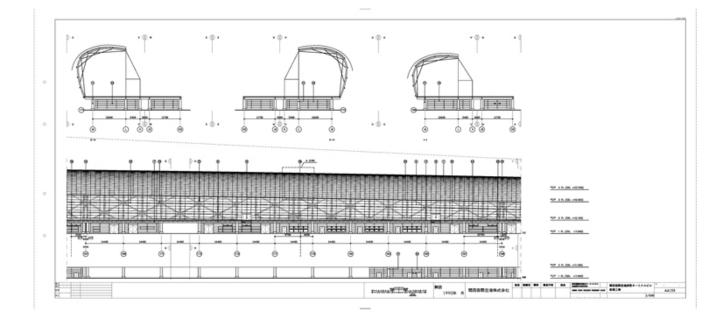
Title	Airside elevation G. L. 117 $\div$ 145
Scale	1:200
Date	1991/03/01
Drawing number	A6131
Drawing code	KAN_DW_045
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





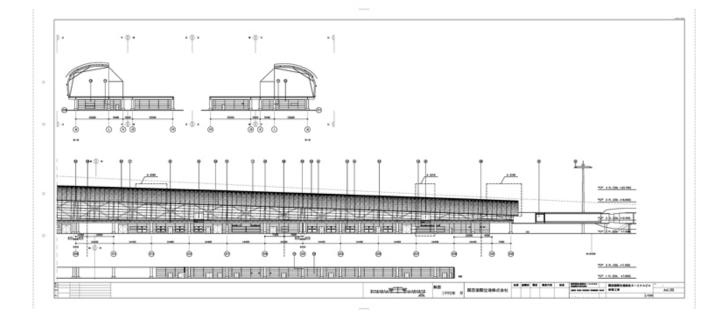
Title	Airside elevation G. L. 145 $\div$ 167
Scale	1:200
Date	1991/03/01
Drawing number	A6132
Drawing code	KAN_DW_046
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





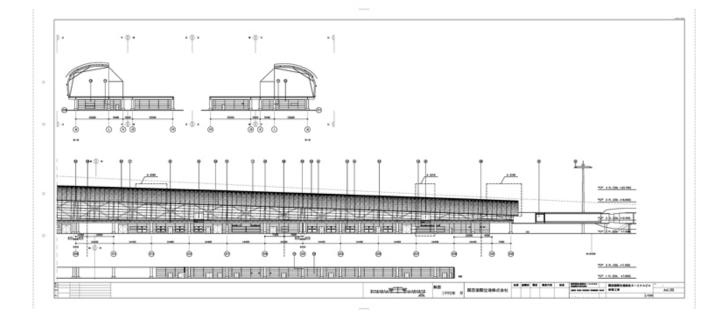
Title	Airside elevation G. L. 167 $\div$ 189
Scale	1:200
Date	1991/03/01
Drawing number	A6133
Drawing code	KAN_DW_047
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano





Title	Airside elevation G. L. 189 $\div$ 209
Scale	1:200
Date	1991/03/01
Drawing number	A6134
Drawing code	KAN_DW_048
Author	Renzo Piano Building Workshop
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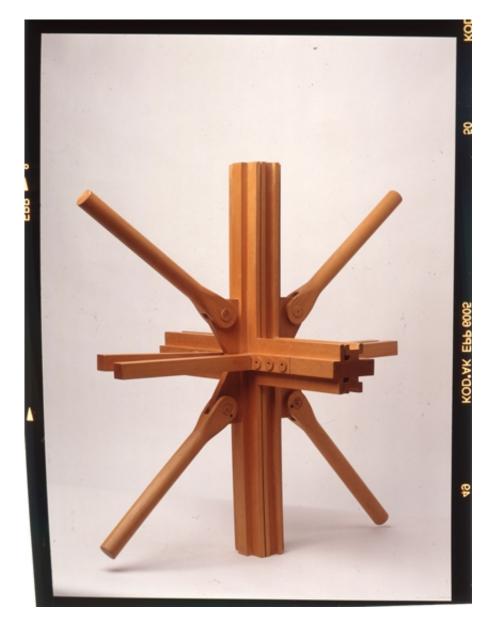




Title	Airside elevation G. L. 209 $\div$ 232
Scale	1:200
Date	1991/03/01
Drawing number	A6135
Drawing code	KAN_DW_049
Author	Renzo Piano Building Workshop
Copyright	Fondazione Renzo Piano

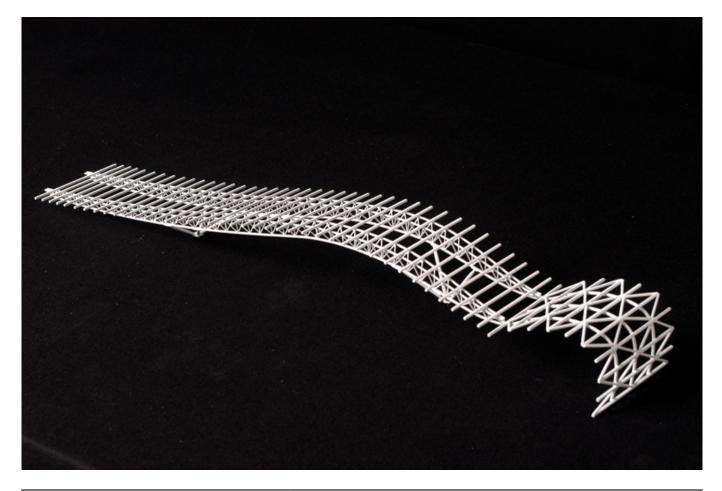


## Modelli



Title	End wall joint
Date	1991-01-28
Model Code	KAN_MD_018_T
Scale	1:1
Model Author	RPBW - Renzo Piano Building Workshop Architects





Title	MTB Main truss study model
Date	1993-01-01
Model Code	KAN_MD_002_T
Scale	1:300
Model Author	RPBW - Renzo Piano Building Workshop Architects





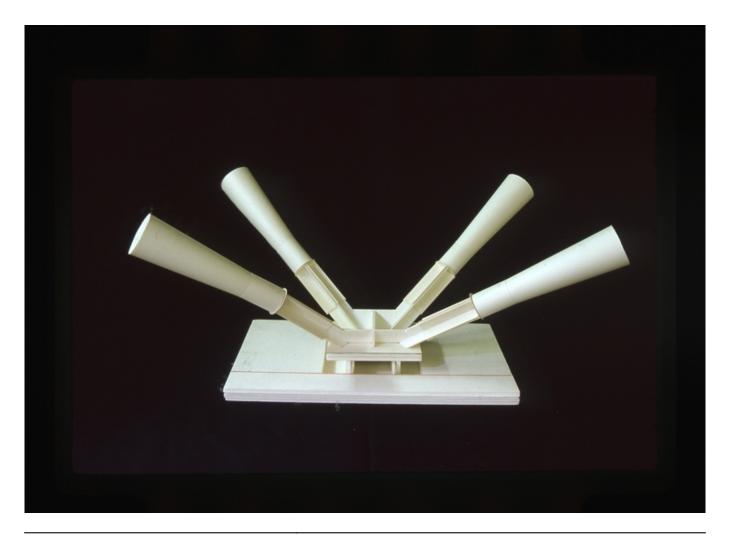
Title	MTB Main truss study model
Date	1990-10-01
Model Code	KAN_MD_016_T1
Scale	1:50
Model Author	RPBW - Renzo Piano Building Workshop Architects





Title	Wing structure study model
Date	1993-01-01
Model Code	KAN_MD_024_T
Scale	1:20
Model Author	RPBW - Renzo Piano Building Workshop Architects





Title

Column/ Main truss connection study- September

Date

1989-08-01

Model Code

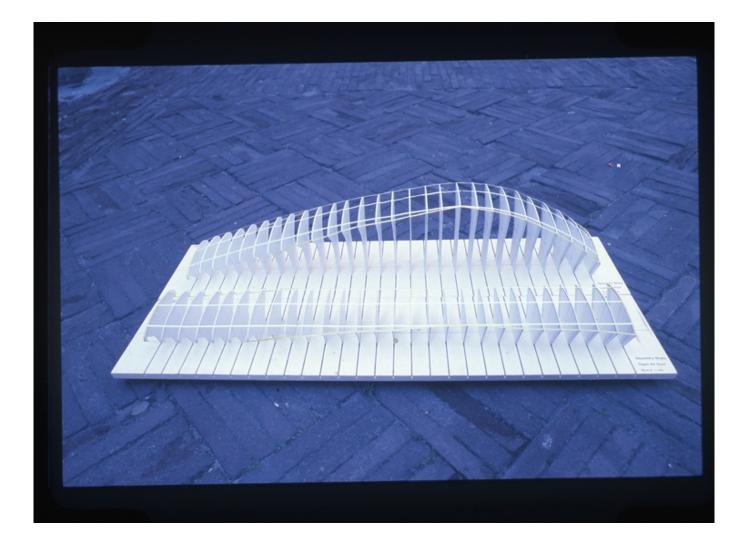
KAN\_MD\_040\_T1

Scale

Model Author

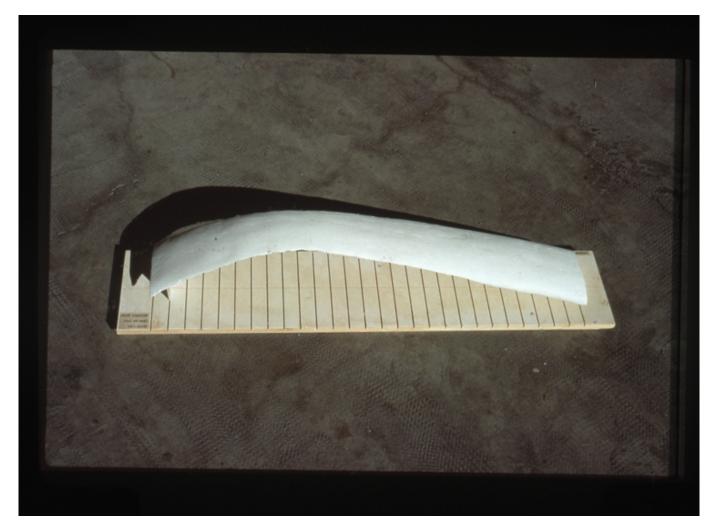
RPBW - Renzo Piano Building Workshop Architects





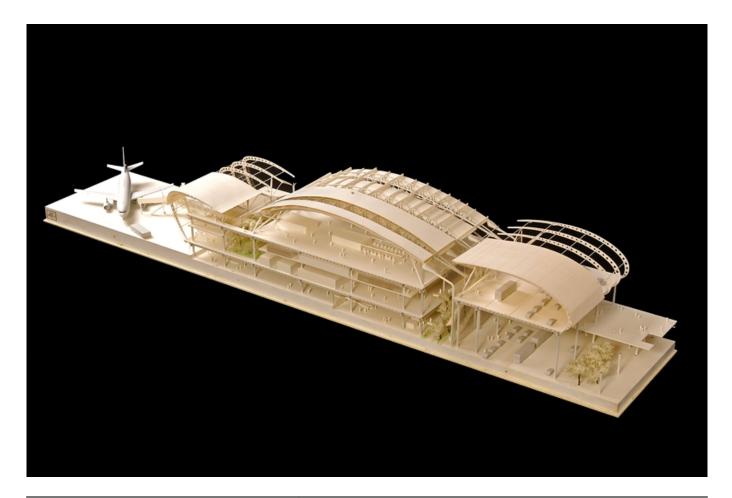
Title	Open air duct - Geometry study
Date	1989-08-01
Model Code	KAN_MD_023AB_T1
Scale	1:100
Model Author	RPBW - Renzo Piano Building Workshop Architects





Title	Open air duct - Geometry study
Date	1989-09-01
Model Code	KAN_MD_057_T
Scale	
Model Author	RPBW - Renzo Piano Building Workshop Architects





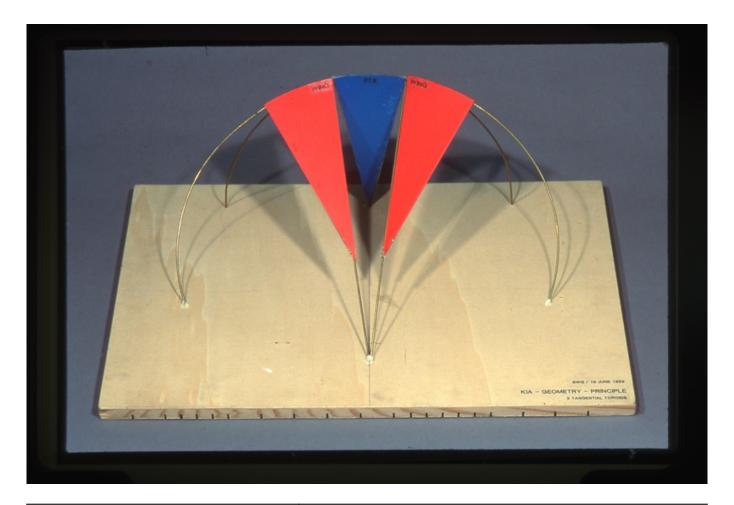
Title	MTB Architectural model - Competition presentation
Date	1988-12-01
Model Code	KAN_MD_010_T4
Scale	1:100
Model Author	RPBW - Renzo Piano Building Workshop Architects





Title	Masterplan - Competition presentation
Date	1988-12-01
Model Code	KAN_MD_017_D2
Scale	
Model Author	RPBW - Renzo Piano Building Workshop Architects





Title	Geometry principle study - July presentation
Date	1989-06-19
Model Code	KAN_MD_044_T1
Scale	
Model Author	RPBW - Renzo Piano Building Workshop Architects





Geometry principle study - July presentation

Date

1989-07-05

Model Code

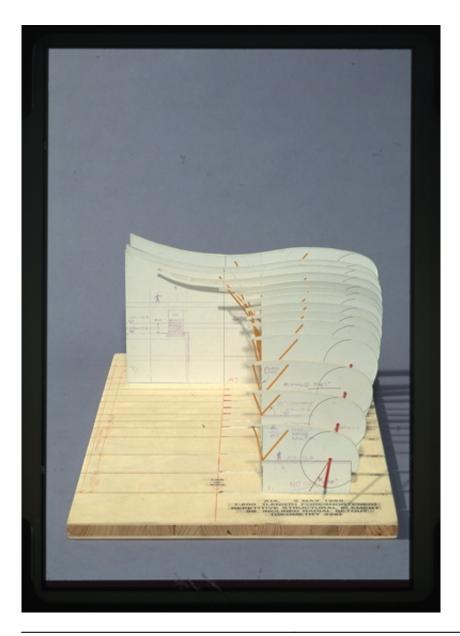
KAN\_MD\_042\_F

Scale

Model Author

RPBW - Renzo Piano Building Workshop Architects





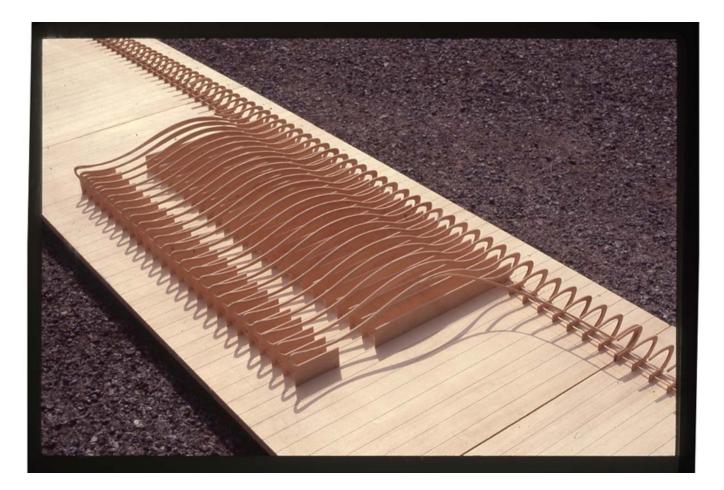
Title	Structural element geometry - May presentation
Date	1989-08-01
Model Code	KAN_MD_041_T1
Scale	
Model Author	RPBW - Renzo Piano Building Workshop Architects





Title	General structure study model
Date	1989-03-01
Model Code	KAN_MD_021_T1
Scale	1:500
Model Author	RPBW - Renzo Piano Building Workshop Architects





Title	General structure study model
Date	1989-05-10
Model Code	KAN_MD_007_D1
Scale	1:500
Model Author	RPBW - Renzo Piano Building Workshop Architects



Title	General structure study model
Date	1989-05-10
Model Code	KAN_MD_007_Z
Scale	1:500
Model Author	RPBW - Renzo Piano Building Workshop Architects



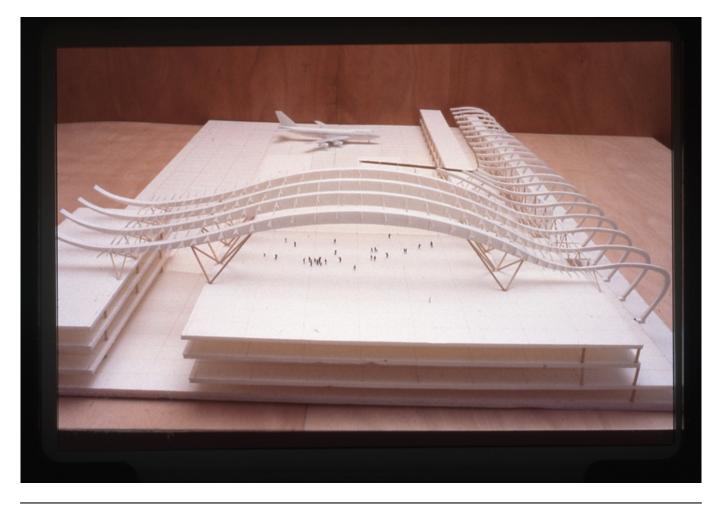


Title	General structure study model - July presentation
Date	1989-07-18
Model Code	KAN_MD_058_T1
Scale	1:500
Model Author	RPBW - Renzo Piano Building Workshop Architects



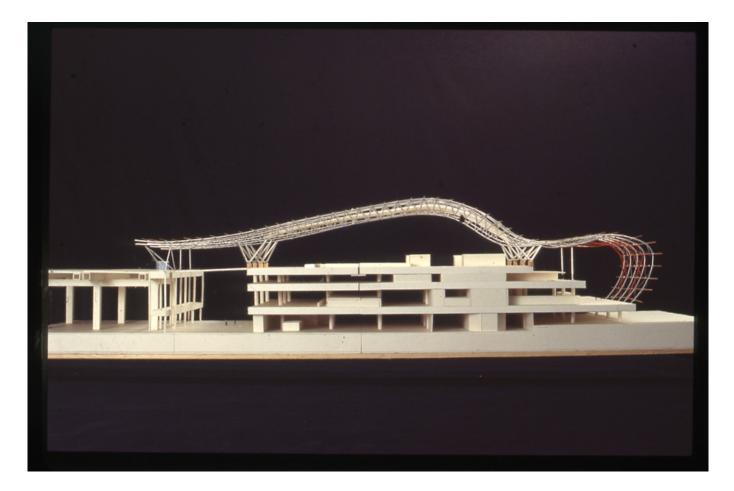
Title	General structure study model
Date	1990-11-01
Model Code	KAN_MD_006_Z1
Scale	1:500
Model Author	RPBW - Renzo Piano Building Workshop Architects





Title	MTB/Wing structure - May study
Date	1989-04-01
Model Code	KAN_MD_056_T
Scale	
Model Author	RPBW - Renzo Piano Building Workshop Architects

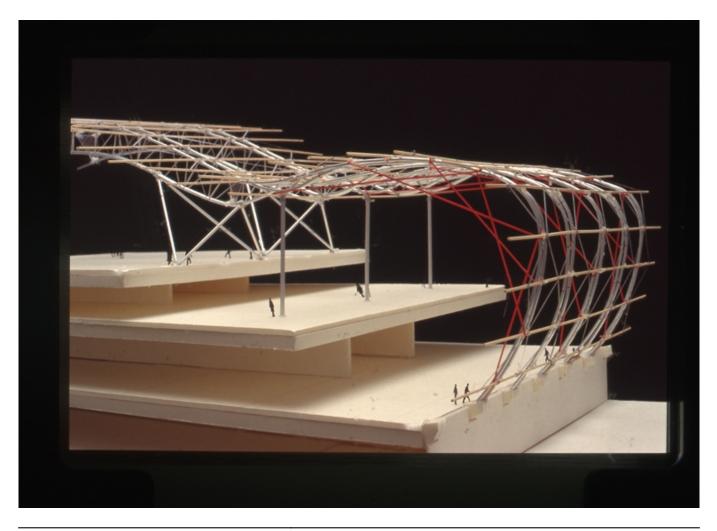




Title	MTB Structure study model - July study
Date	1989-07-01
Model Code	KAN_MD_050_F
Scale	
Model Author	RPBW - Renzo Piano Building Workshop Architects



Model Author



Title	Wing/Main truss connection - September study
Date	1989-09-01
Model Code	KAN_MD_051_T
Scale	

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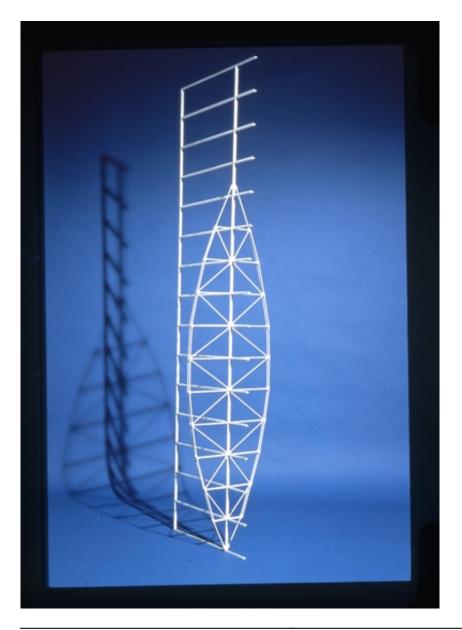
Title	Wing study model
Date	
Model Code	KAN_MD_090_T
Scale	
Model Author	RPBW - Renzo Piano Building Workshop Architects





Title	End wall study model
Date	1990-07-01
Model Code	KAN_MD_086_T
Scale	
Model Author	RPBW - Renzo Piano Building Workshop Architects





Title	End wall mast detailed model - Presentation
Date	1992-02-01
Model Code	KAN_MD_008_T
Scale	1:20
Model Author	RPBW - Renzo Piano Building Workshop Architects

