



CIDADE DA MÚSICA

Roberto Marinho

Barra da Tijuca - Rio de Janeiro

Um projeto de
CHRISTIAN DE PORTZAMPARC
arquiteto

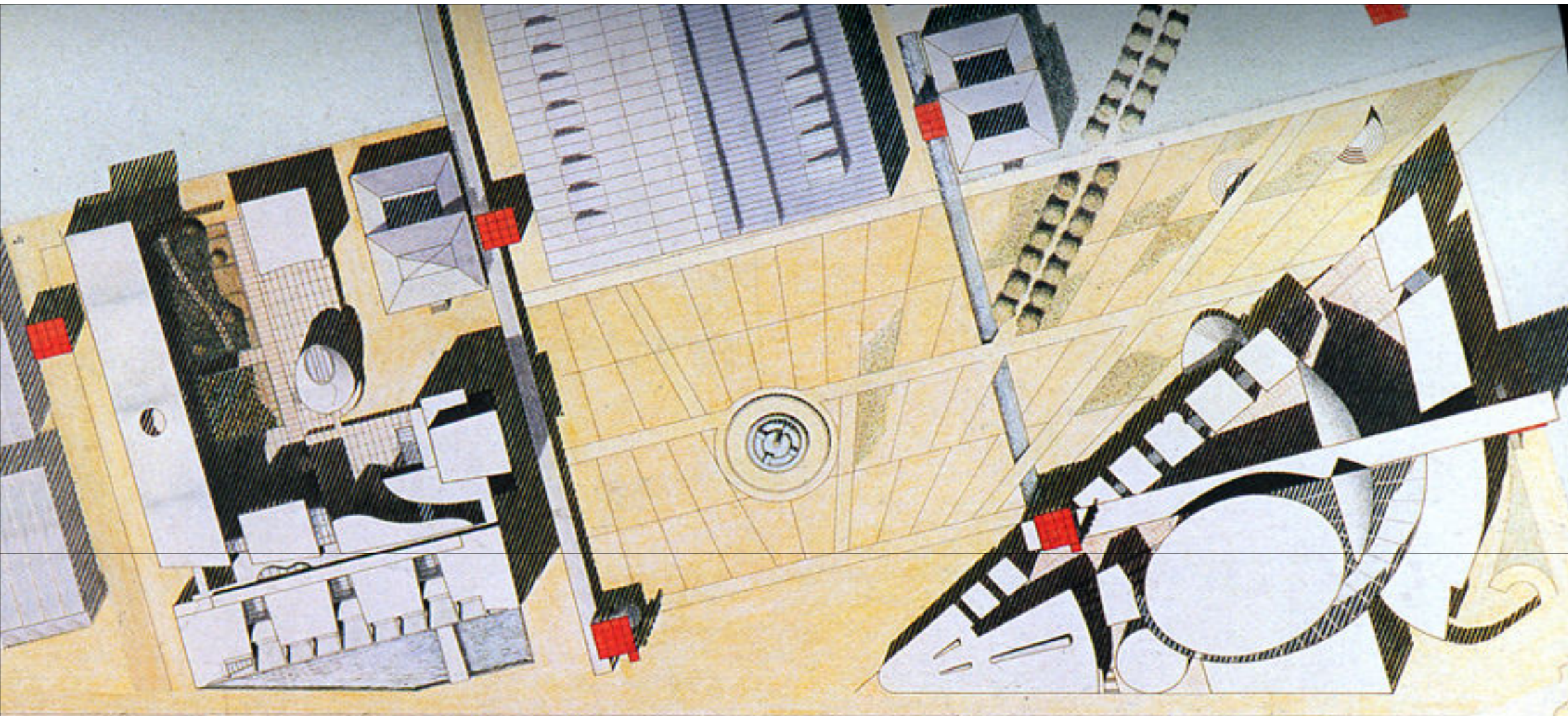


PREFEITURA DA CIDADE DO RIO DE JANEIRO
Secretaria Municipal das Culturas
Secretaria Municipal de Obras



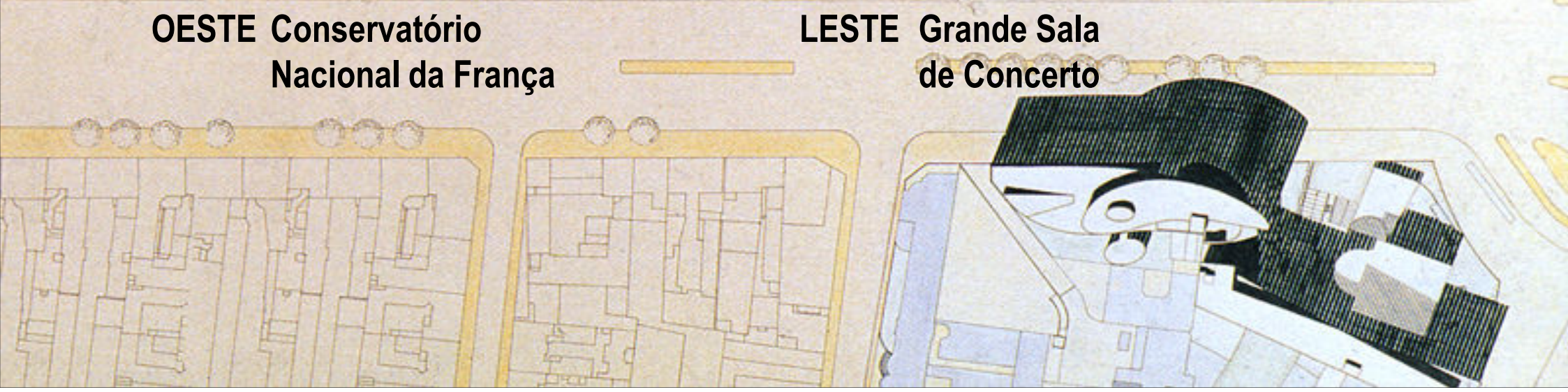
CHRISTIAN DE PORTZAMPARC
arquiteto

CITÉ DE LA MUSIQUE
1984 – 1995
Paris - França



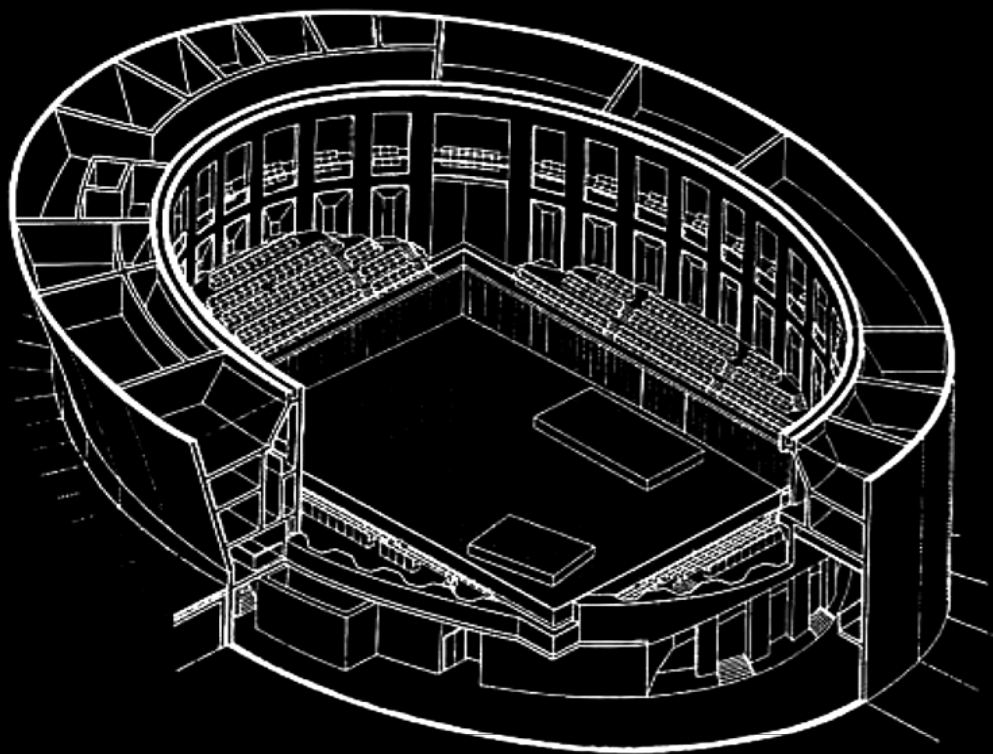
OESTE Conservatório
Nacional da França

LESTE Grande Sala
de Concerto



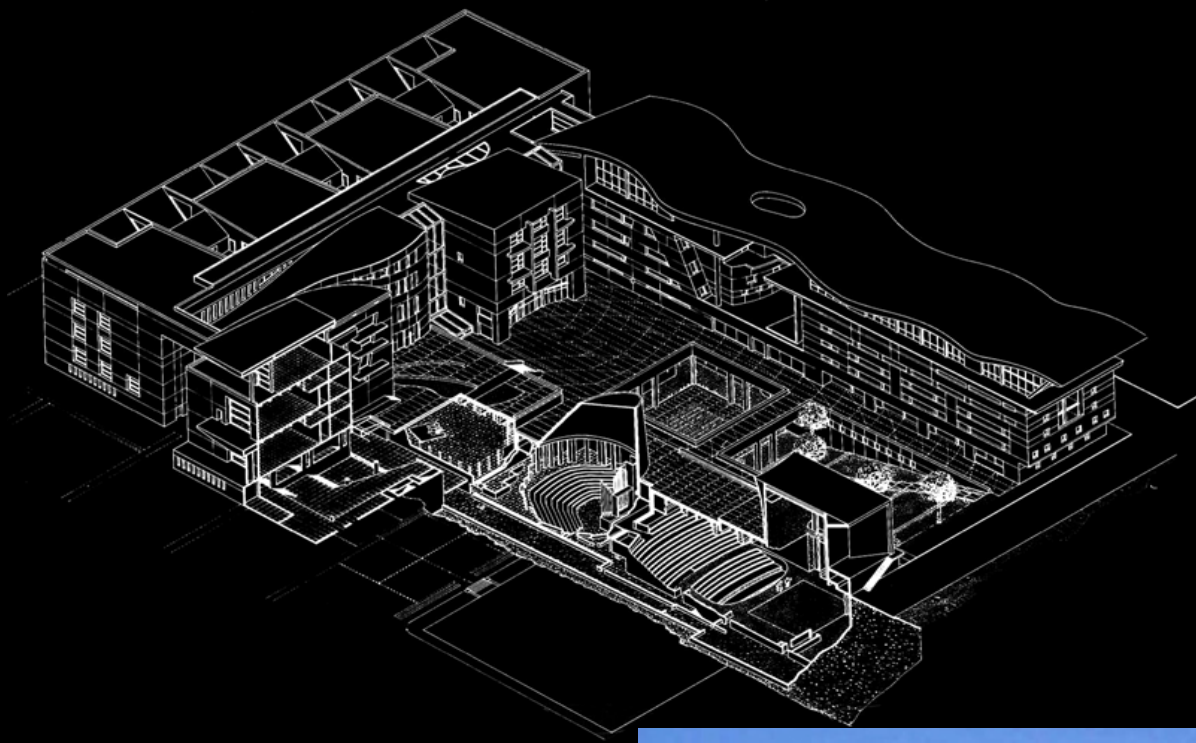


Grande Sala de Concerto

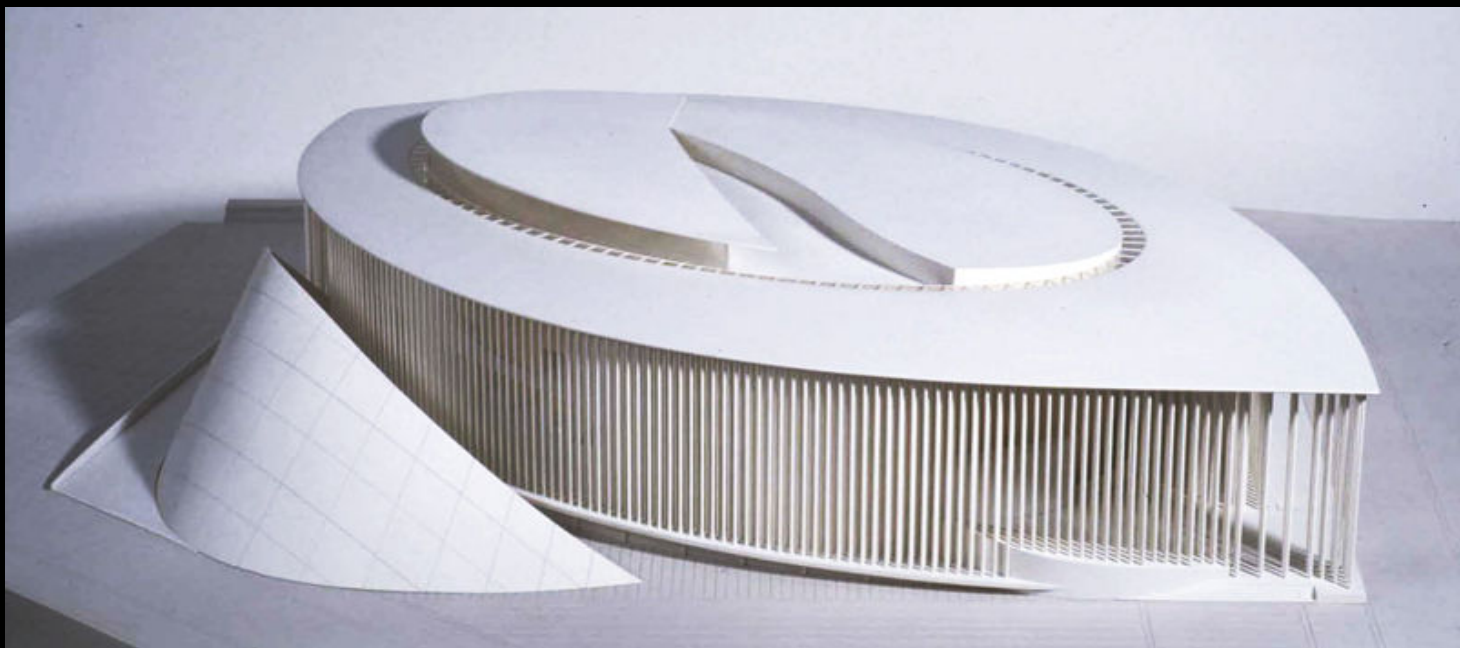
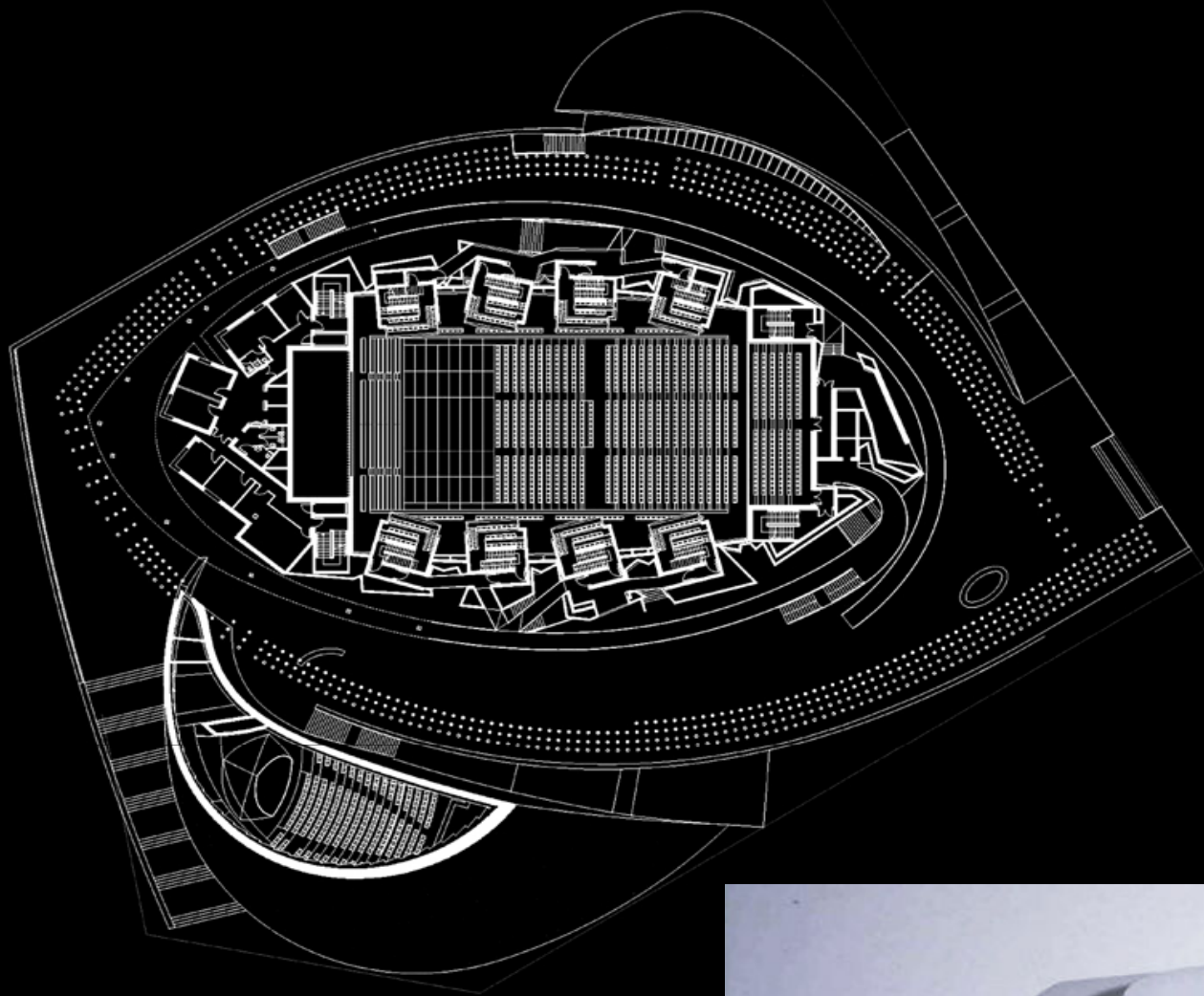




Conservatório Nacional da França

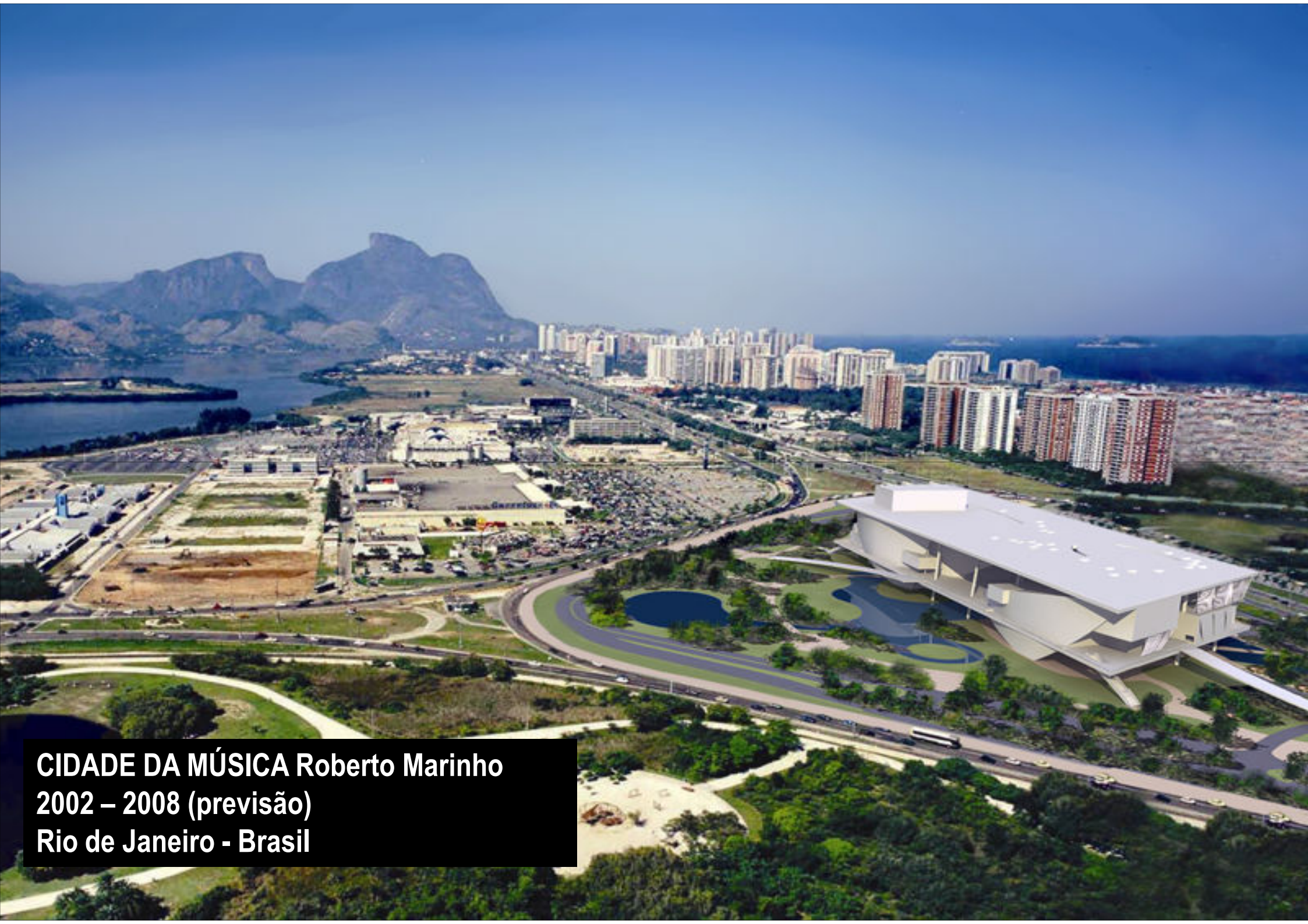


KIRCHBERG CONCERT HALL
1997 – 2005
Luxemburgo - Capital









CIDADE DA MÚSICA Roberto Marinho
2002 – 2008 (previsão)
Rio de Janeiro - Brasil



Ilha do Governador

Zona Norte

Tijuca

Centro

Copacabana

Ipanema

São Conrado

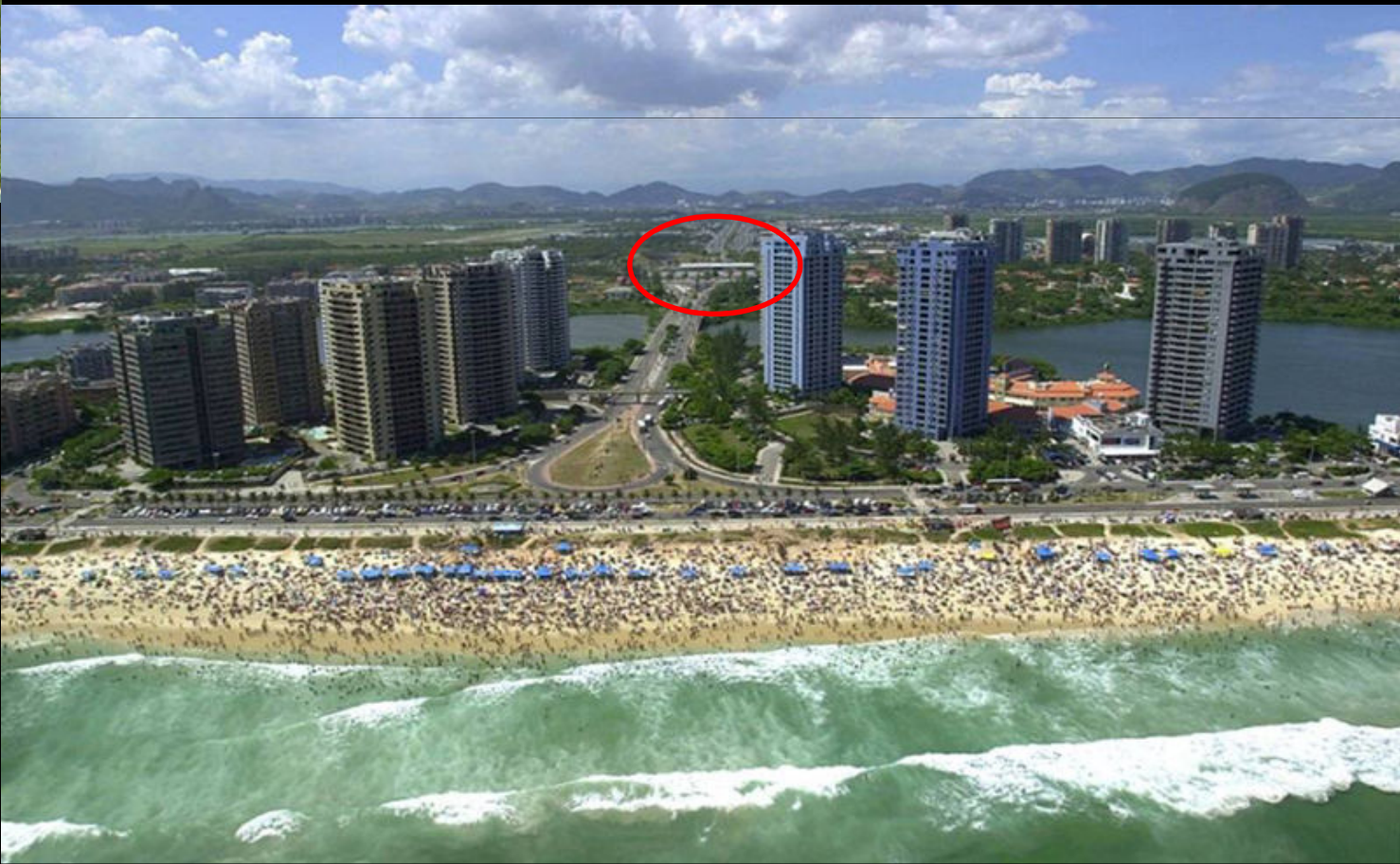
Barra da Tijuca

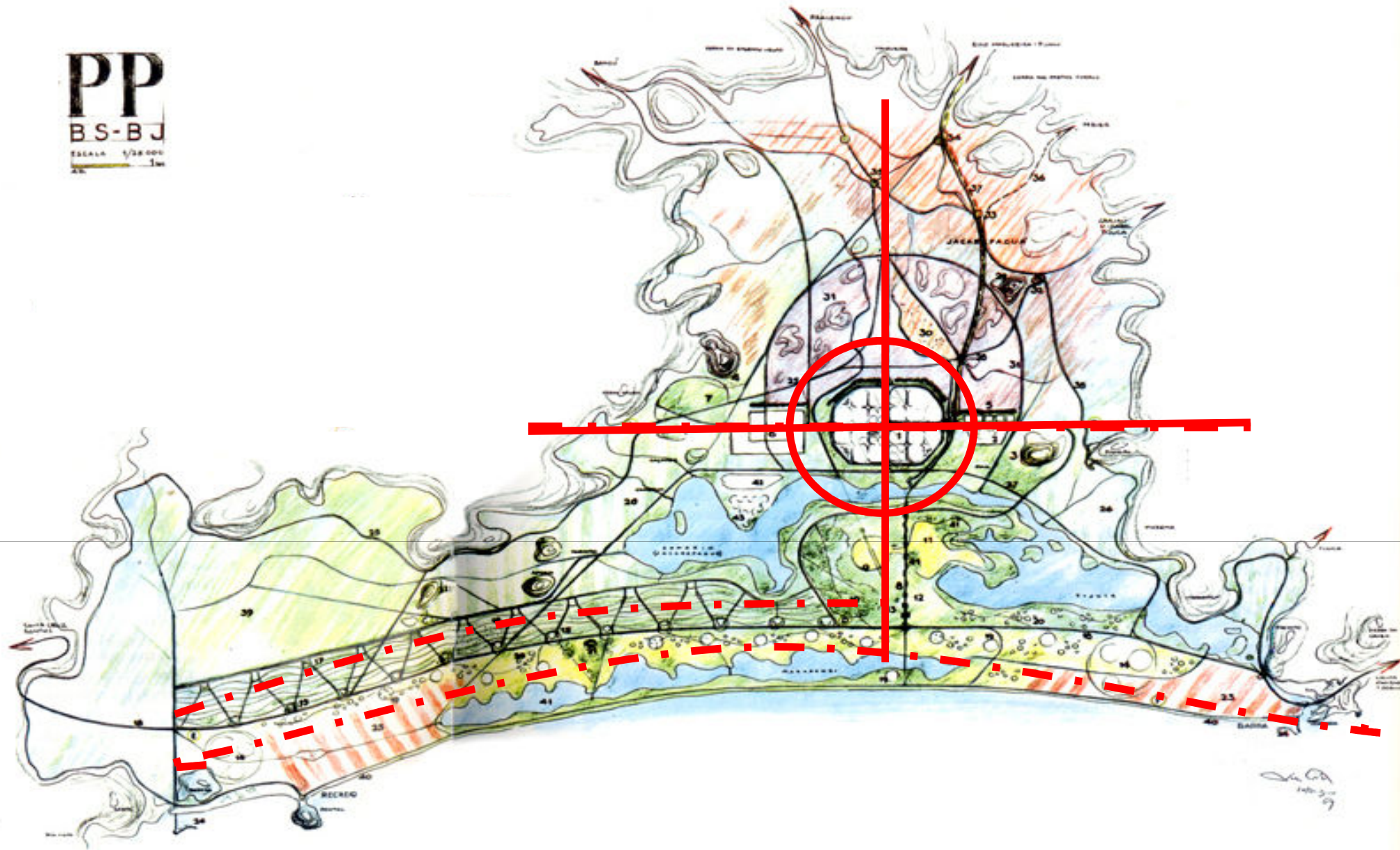


A Barra da Tijuca









Plano Piloto de Lucio Costa, 1969



O Trevo das Palmeiras



Avenida das Américas X

Avenida Ayrton Senna + Linha Amarela

- PONTOS TURISTICOS
- TEATROS
- CASAS DE ESPETACULOS
- CIDADE DAS ARTES

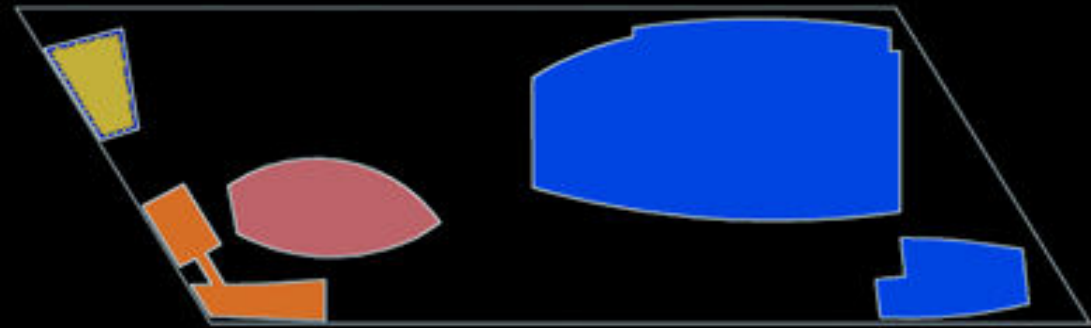


Pontos de Interesse Turístico e Cultural

O programa da CIDADE DA MÚSICA

- 1 Grande Sala de Concerto (1800 lugares) e Ópera (1300 lugares)**
- 2 Sala de Música de Câmara para 500 lugares**
- 3 Sede da OSB (Orquestra Sinfônica Brasileira)**
- 4 Salas de Ensaio**
- 5 Conjunto de lazer com Cinemas e Restaurante**
- 6 Administração**

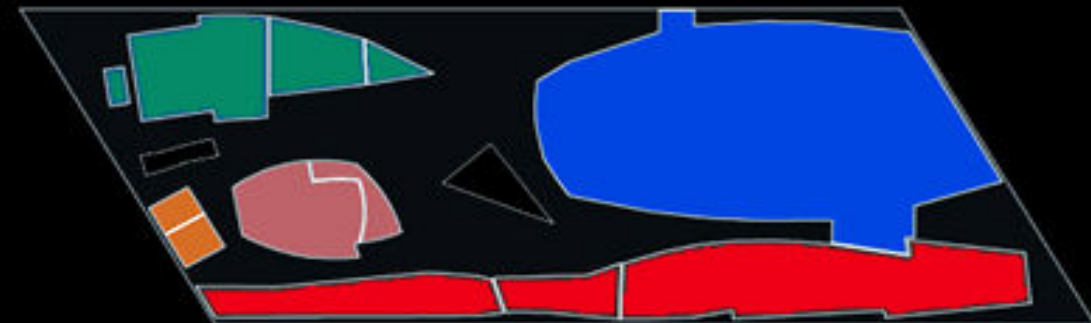
NIVEL 3



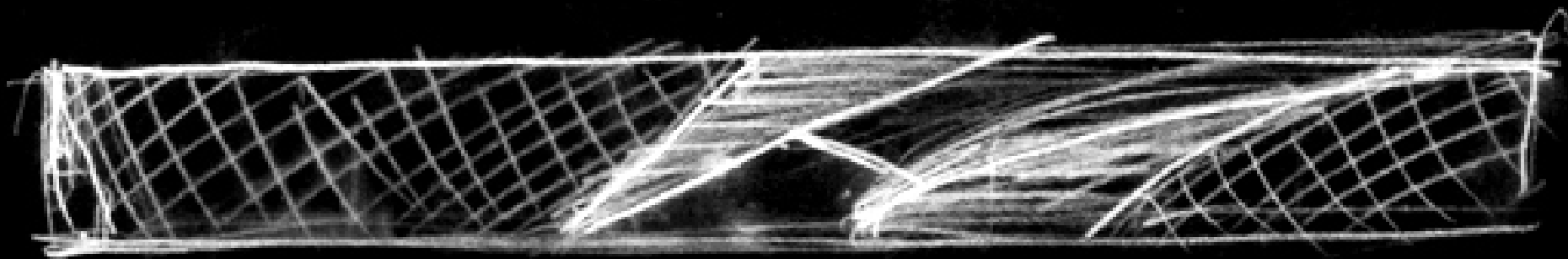
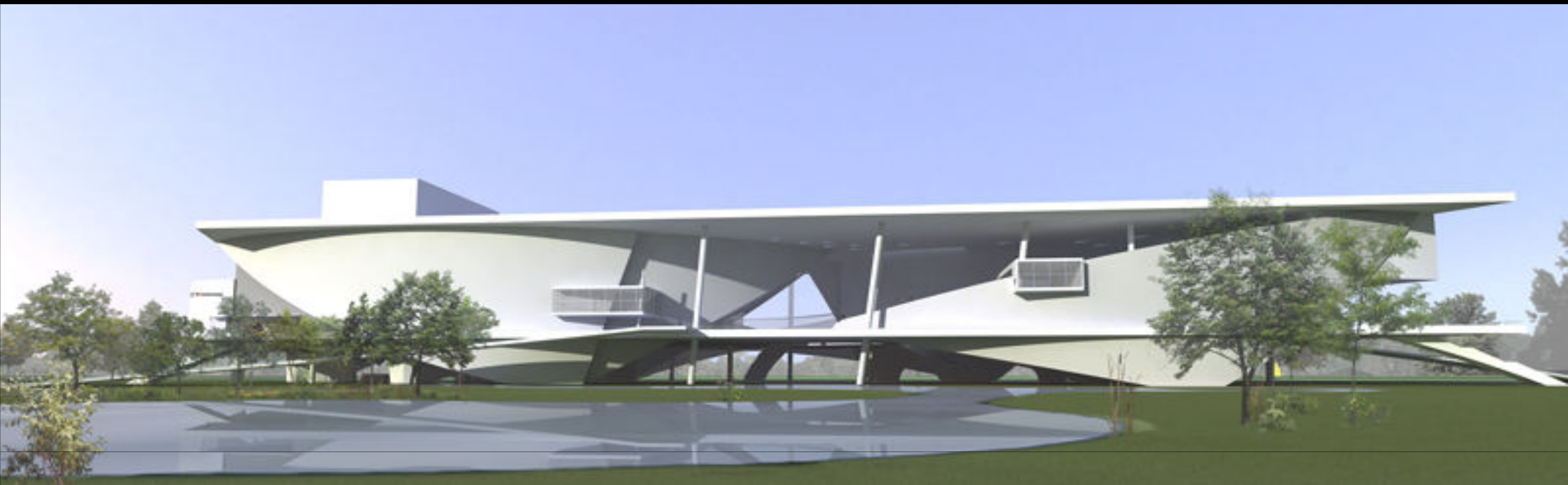
NIVEL 2



NIVEL 1



O Programa



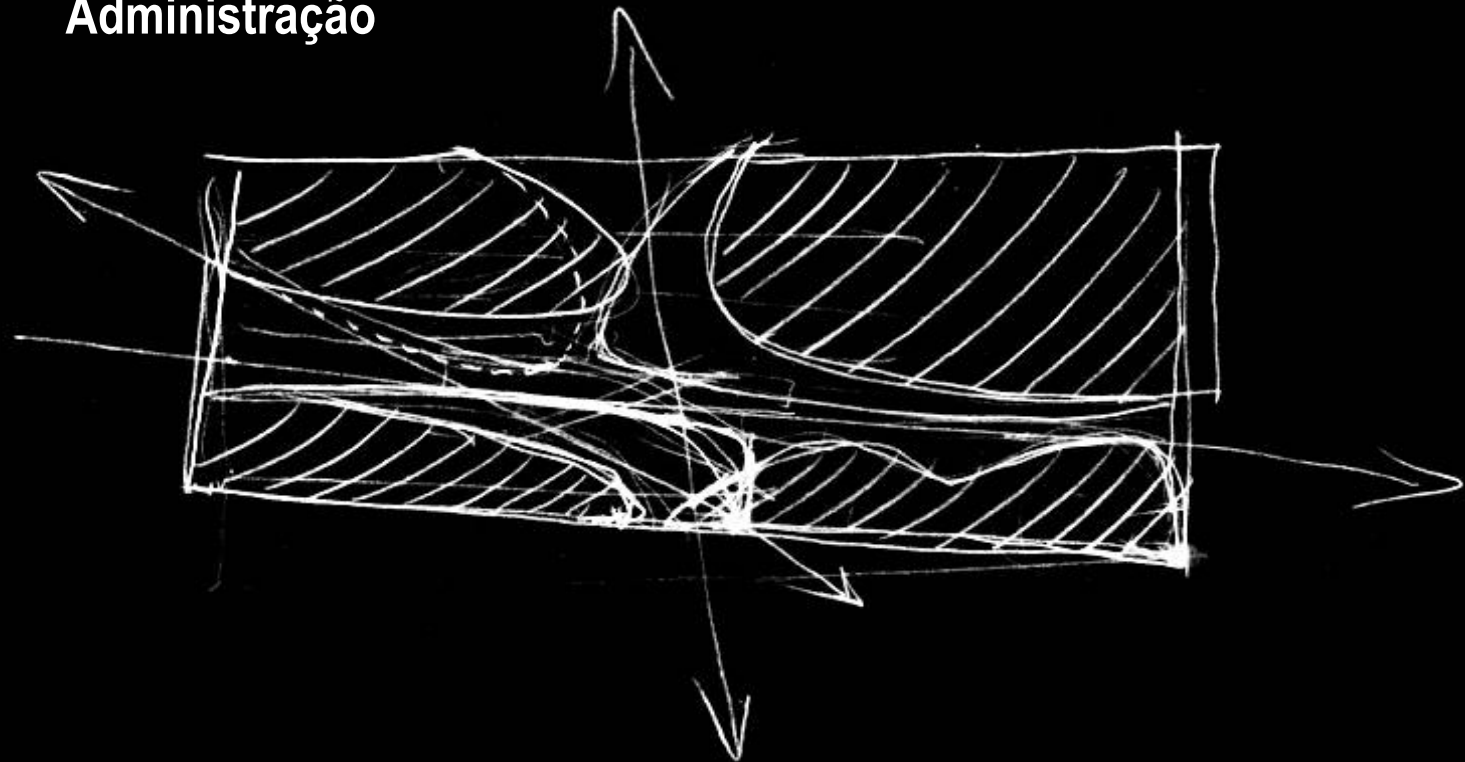
**Cinemas e
Restaurante**

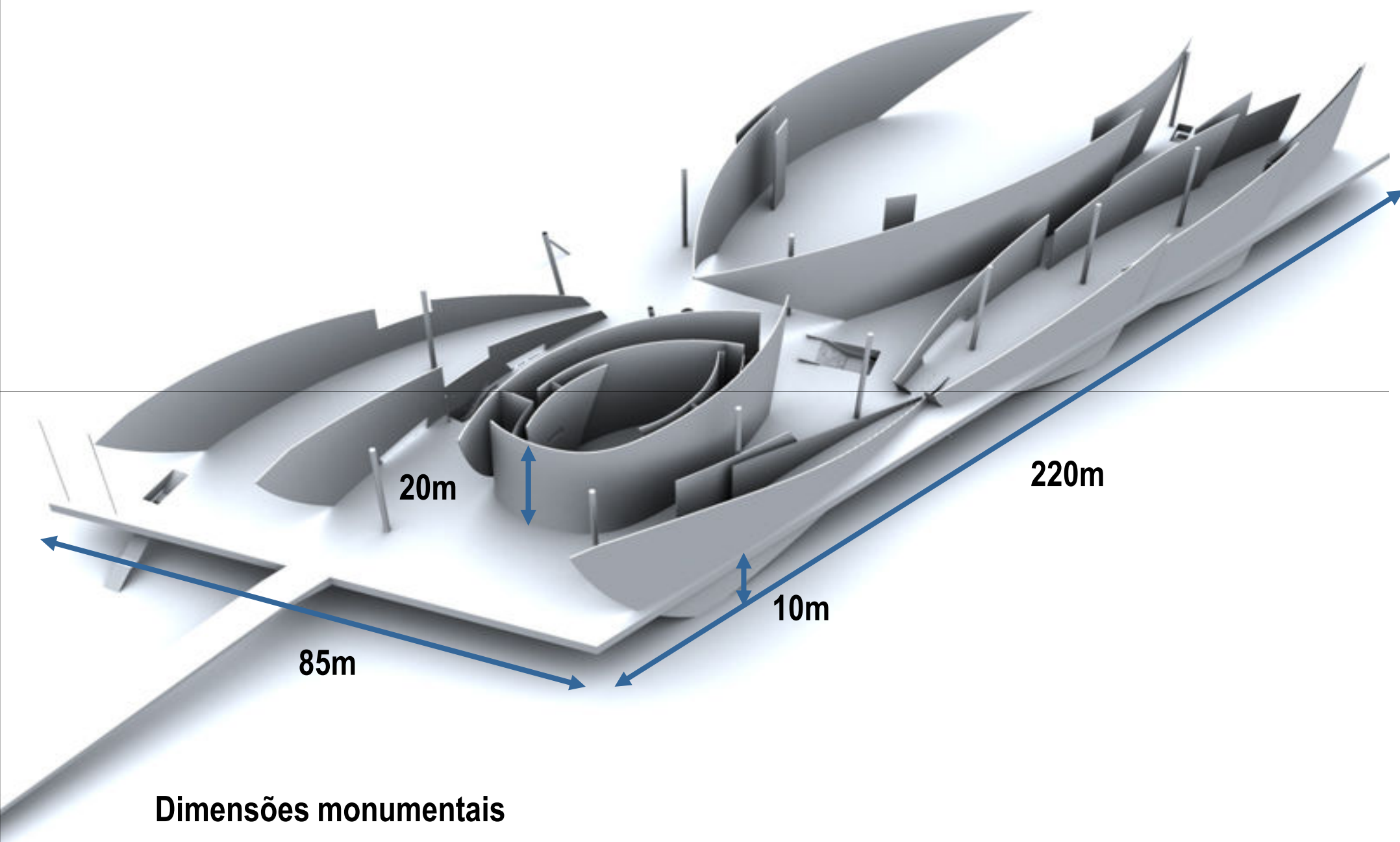
**Grande Sala de
Concerto e Ópera**

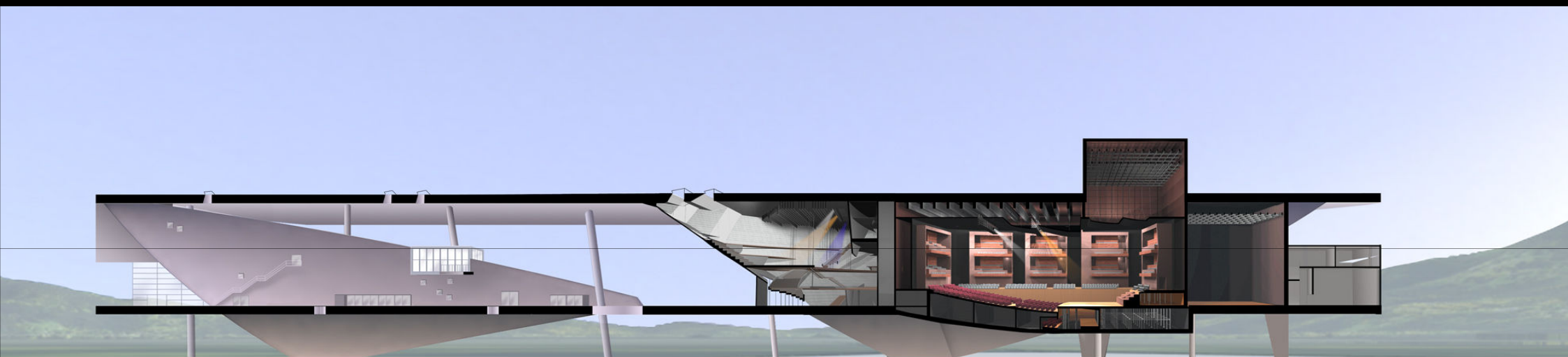
**Sala de Música
de Câmara**

**OSB e
Administração**

Ensaaios







Grande Sala de Concerto e Ópera

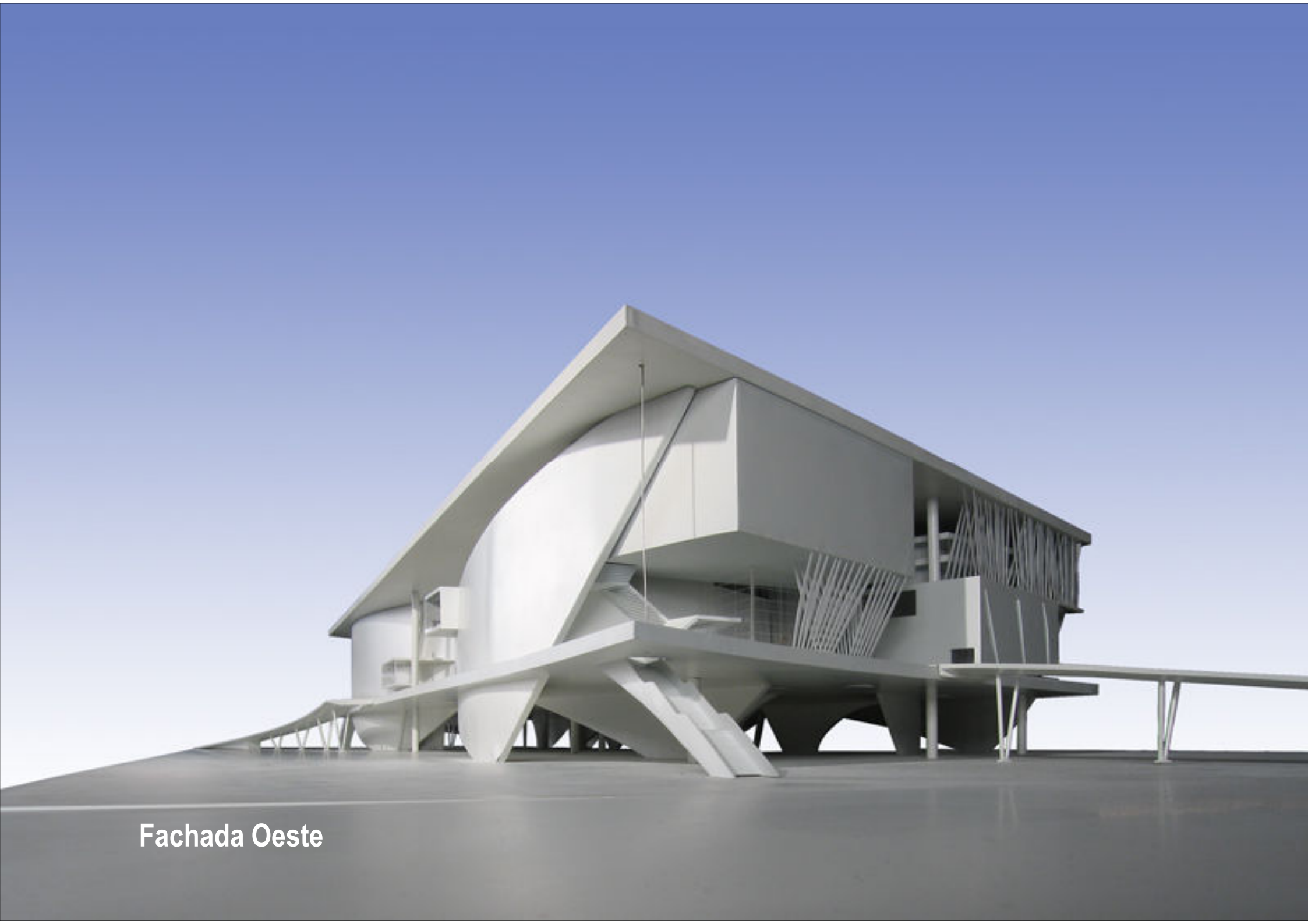
Cinemas e Restaurante



Fachada Sul, Avenida das Américas



Fachada Norte, Avenida Ayrton Senna

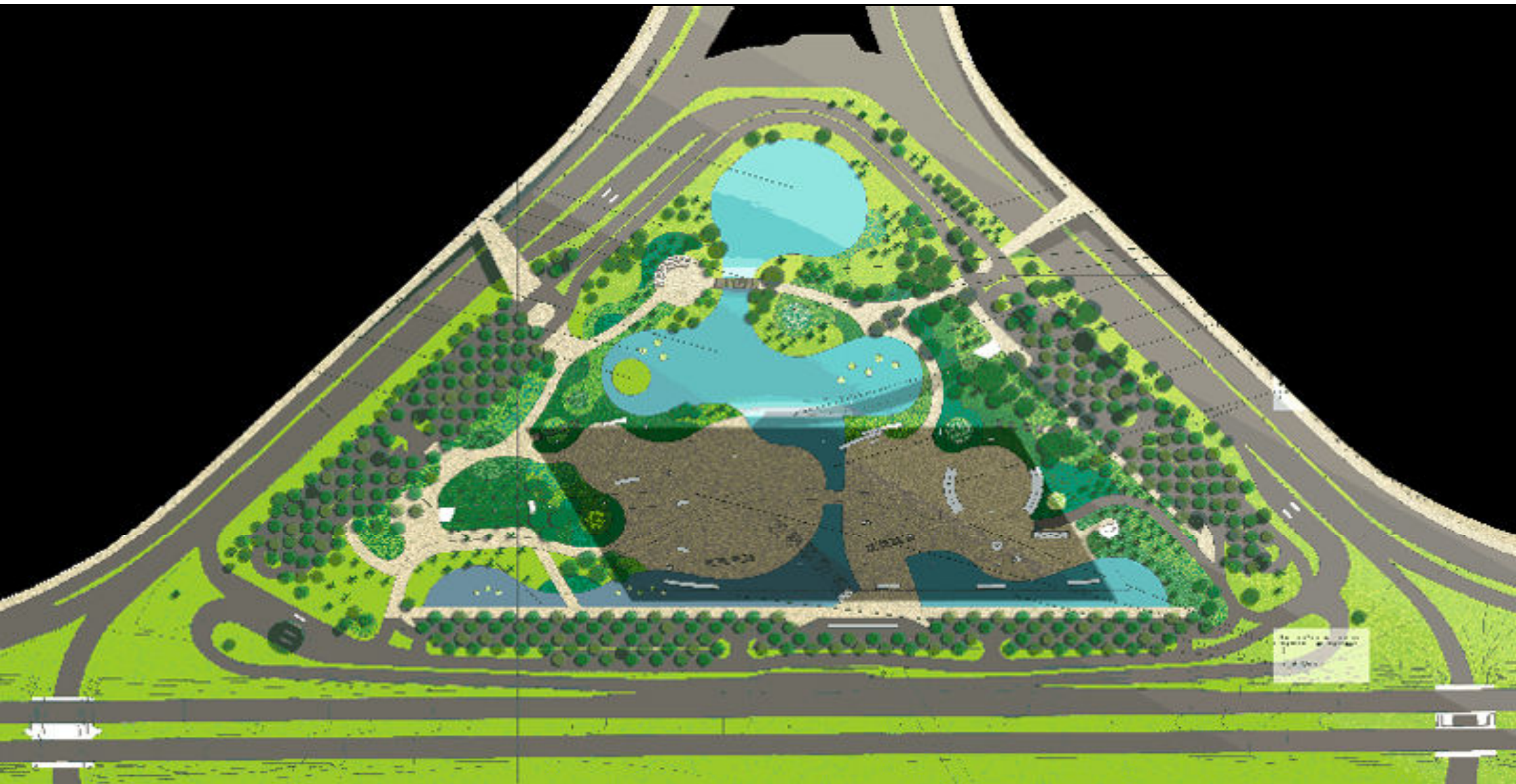


Fachada Oeste



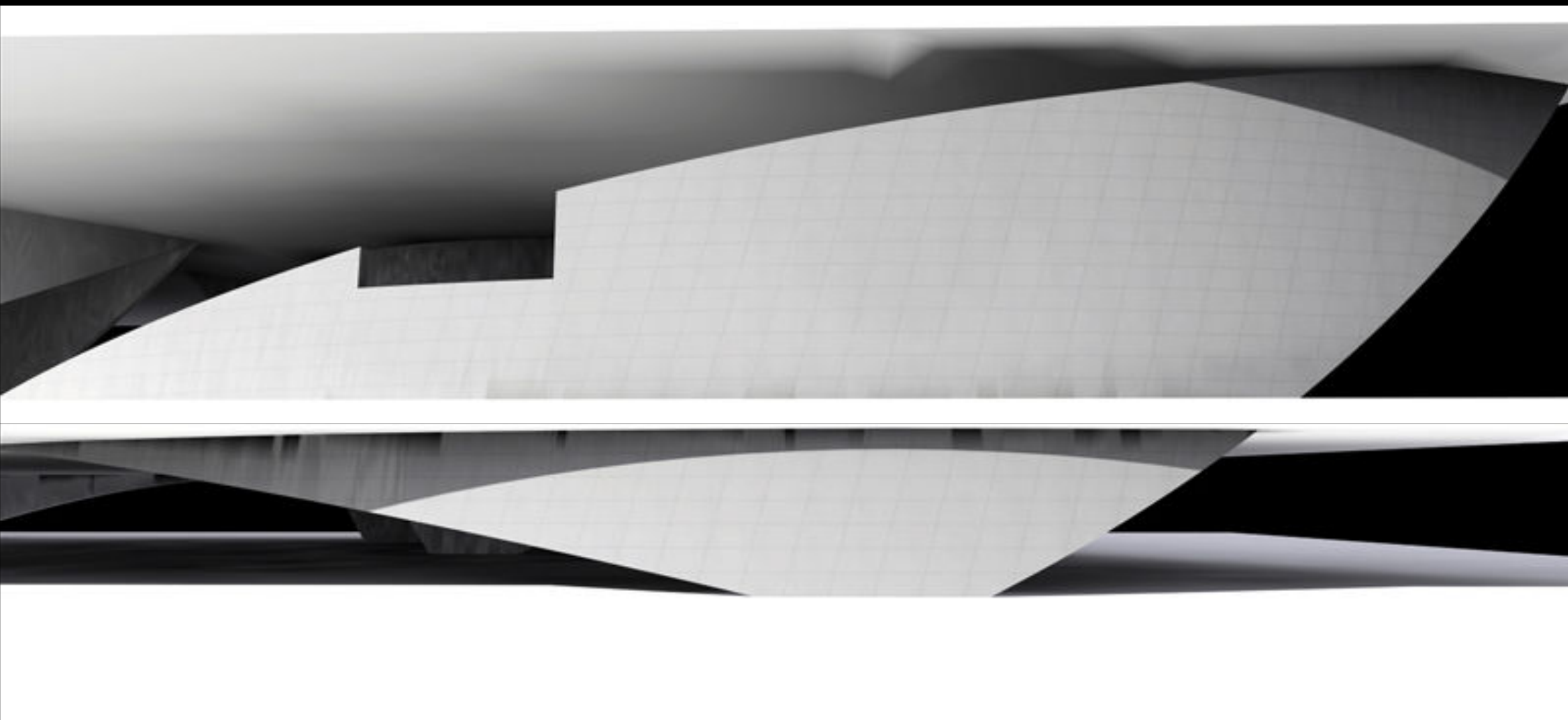


Parque da Cidade da Música

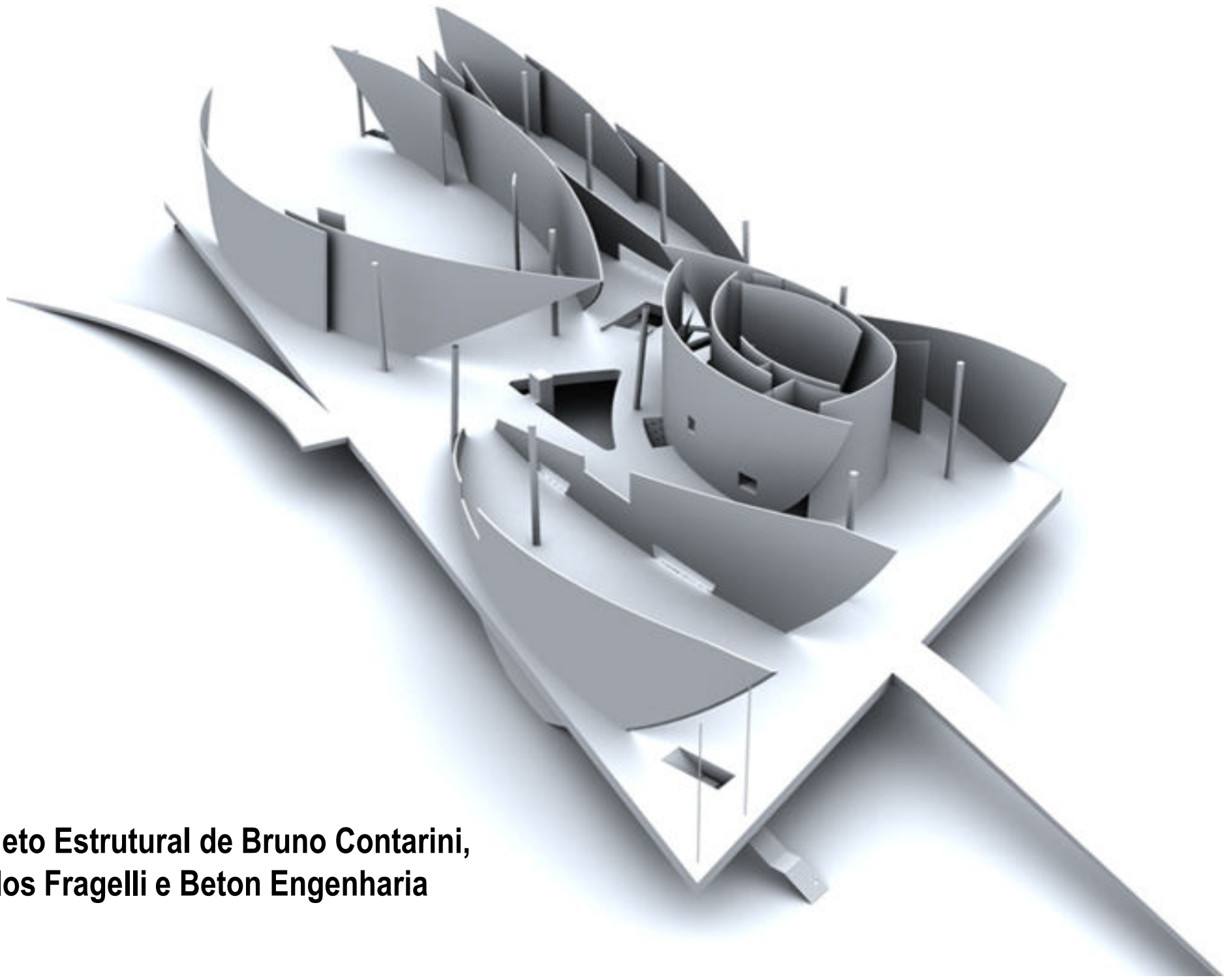


Paisagismo de Fernando Chacel

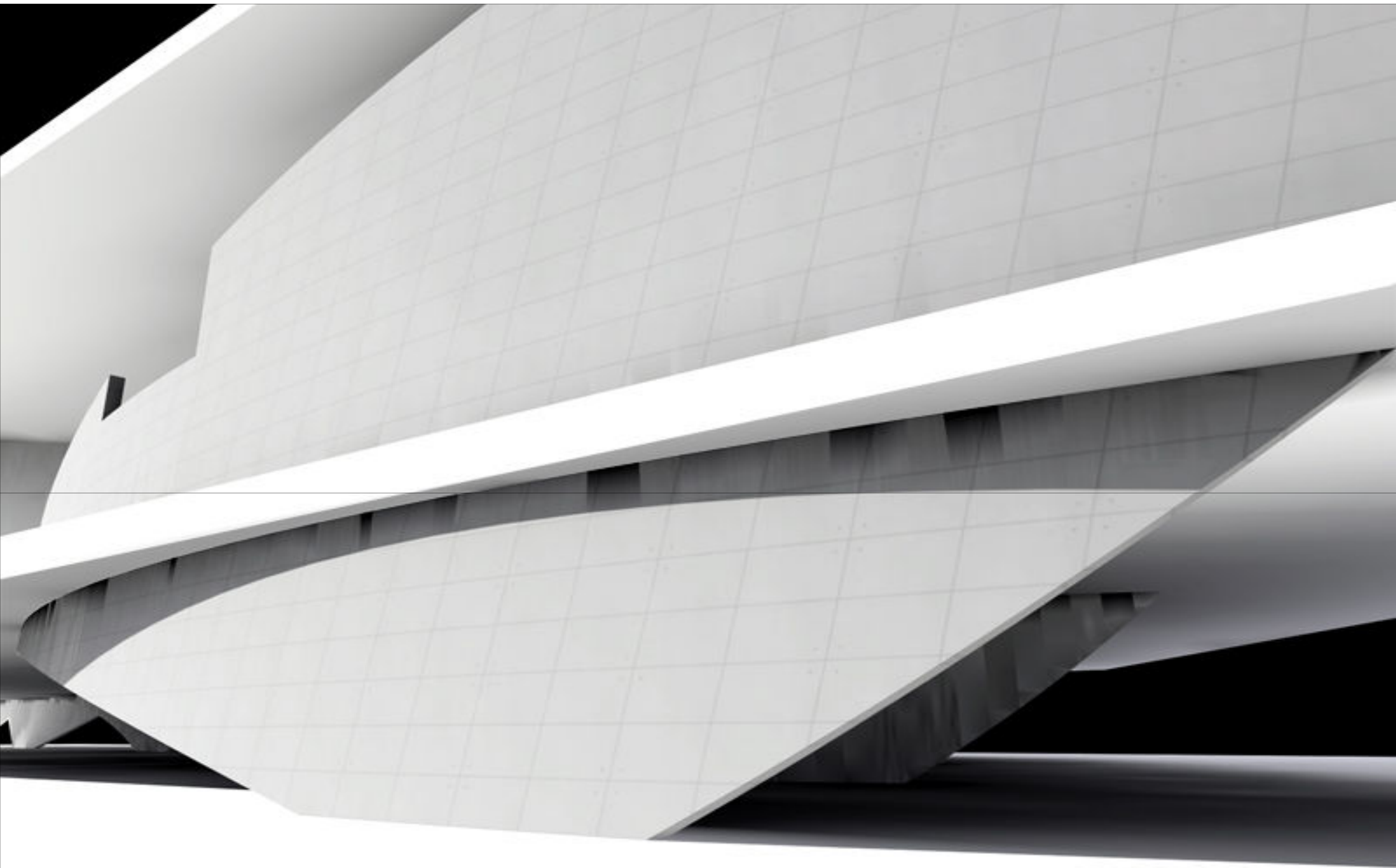




Estrutura de concreto aparente



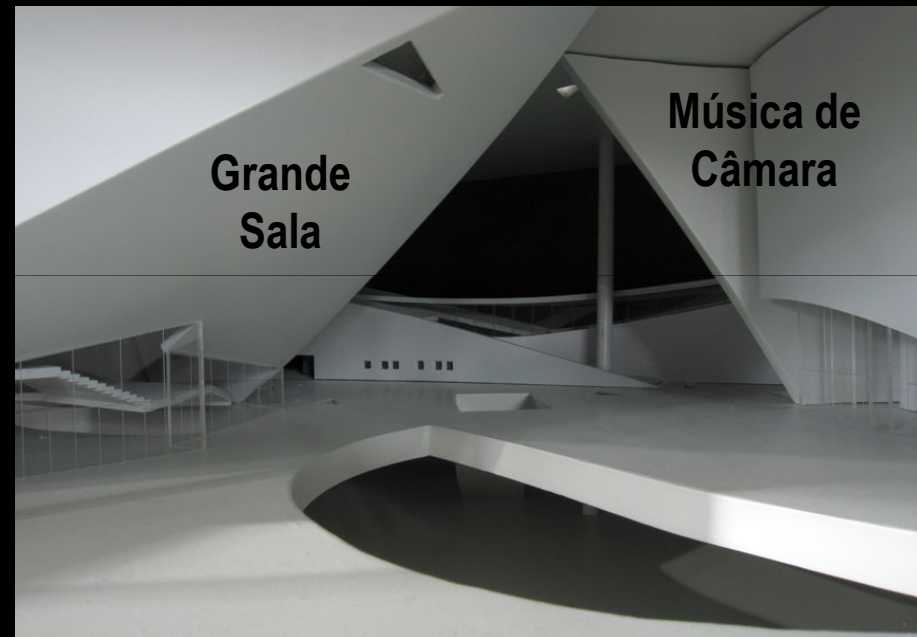
**Projeto Estrutural de Bruno Contarini,
Carlos Fragelli e Beton Engenharia**

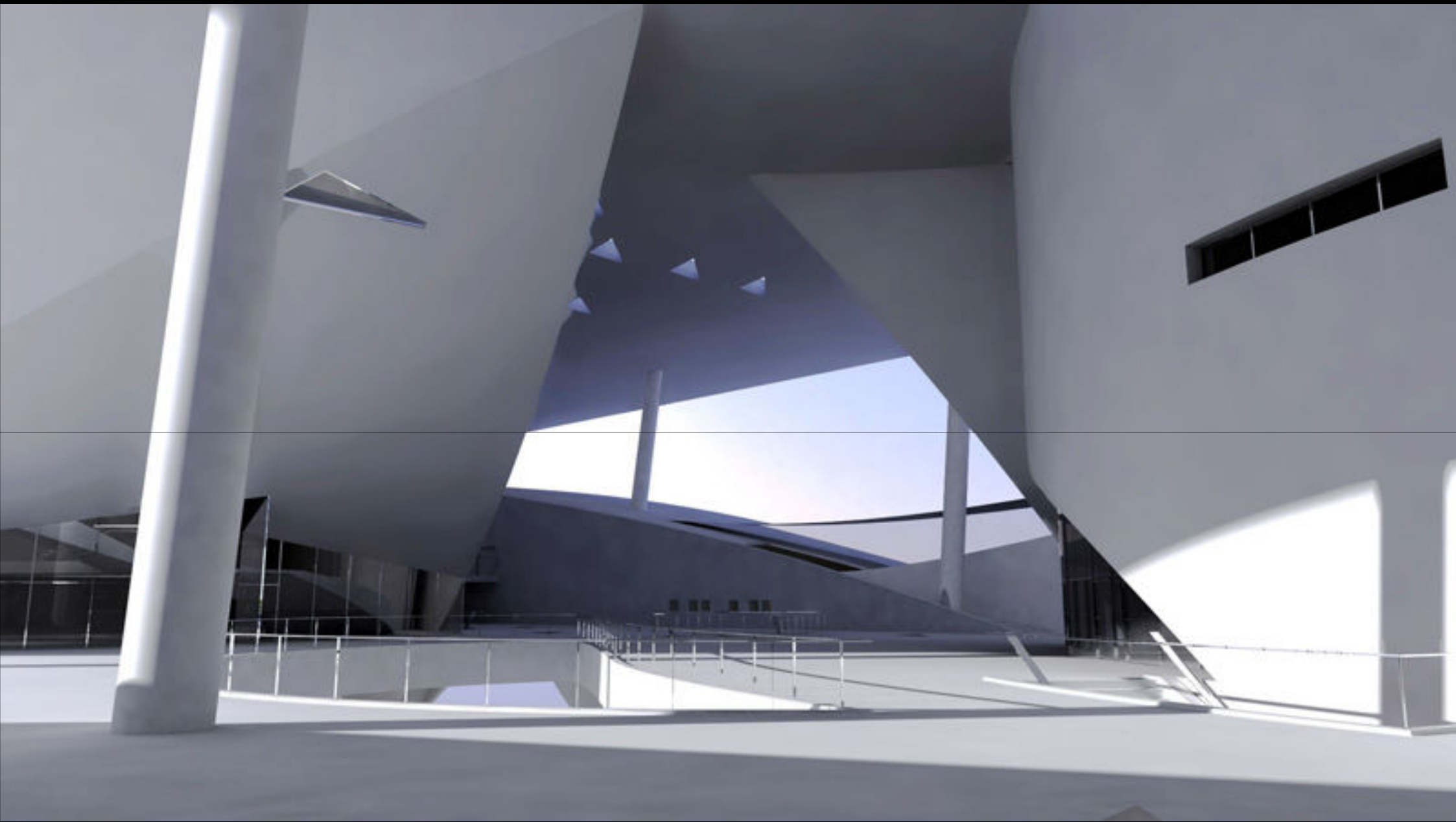


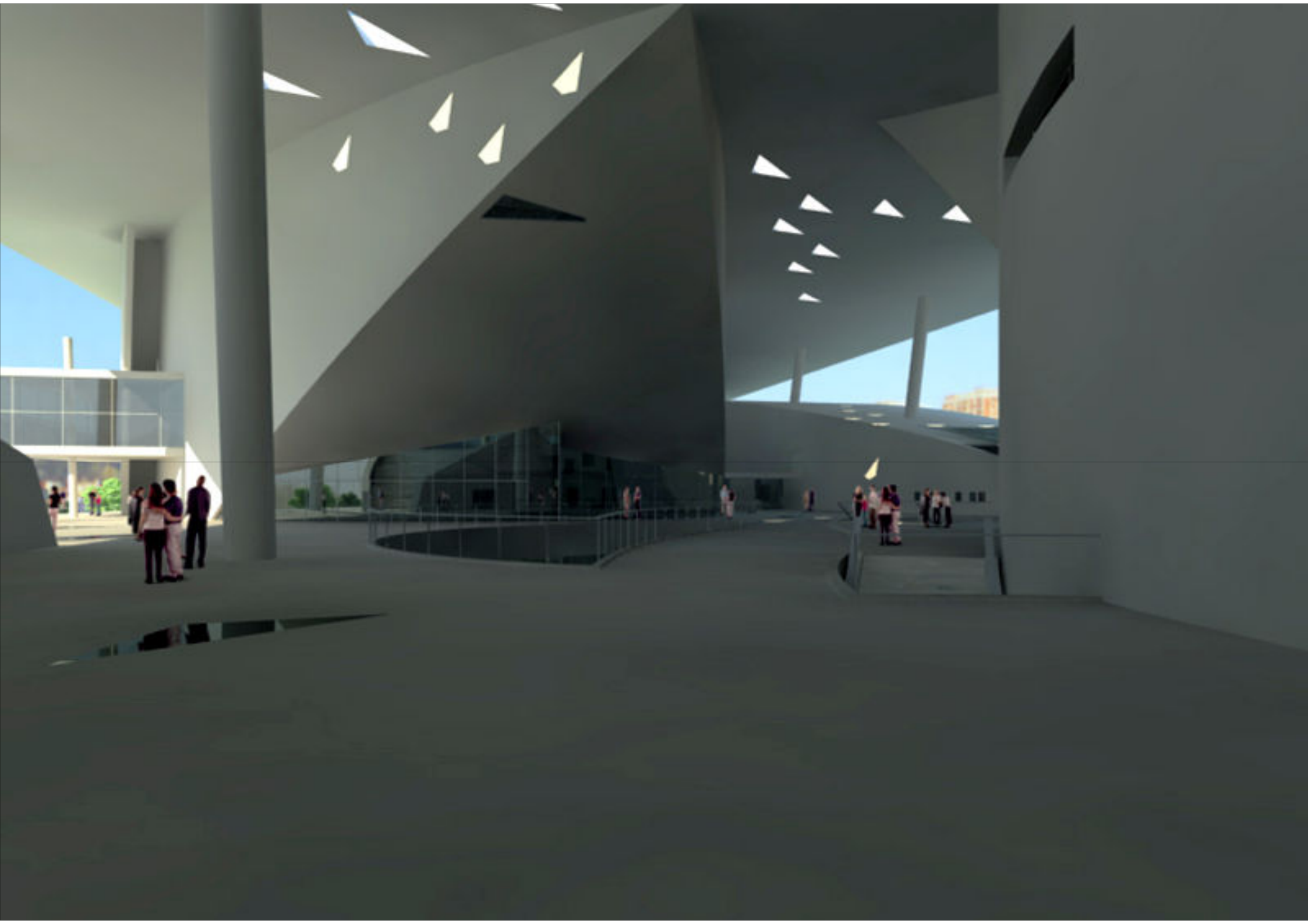
Os apoios delgados

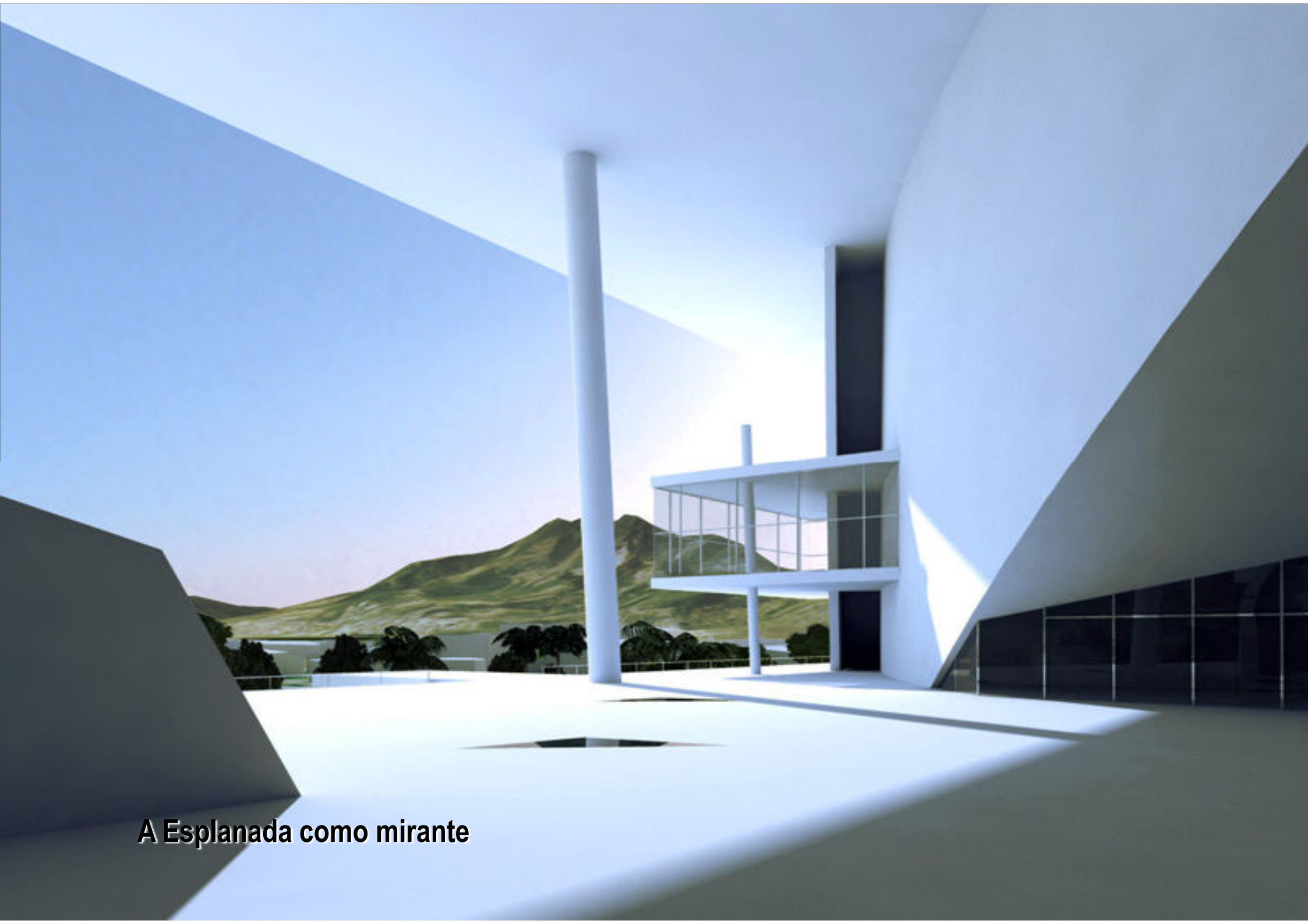


A Grande Esplanada

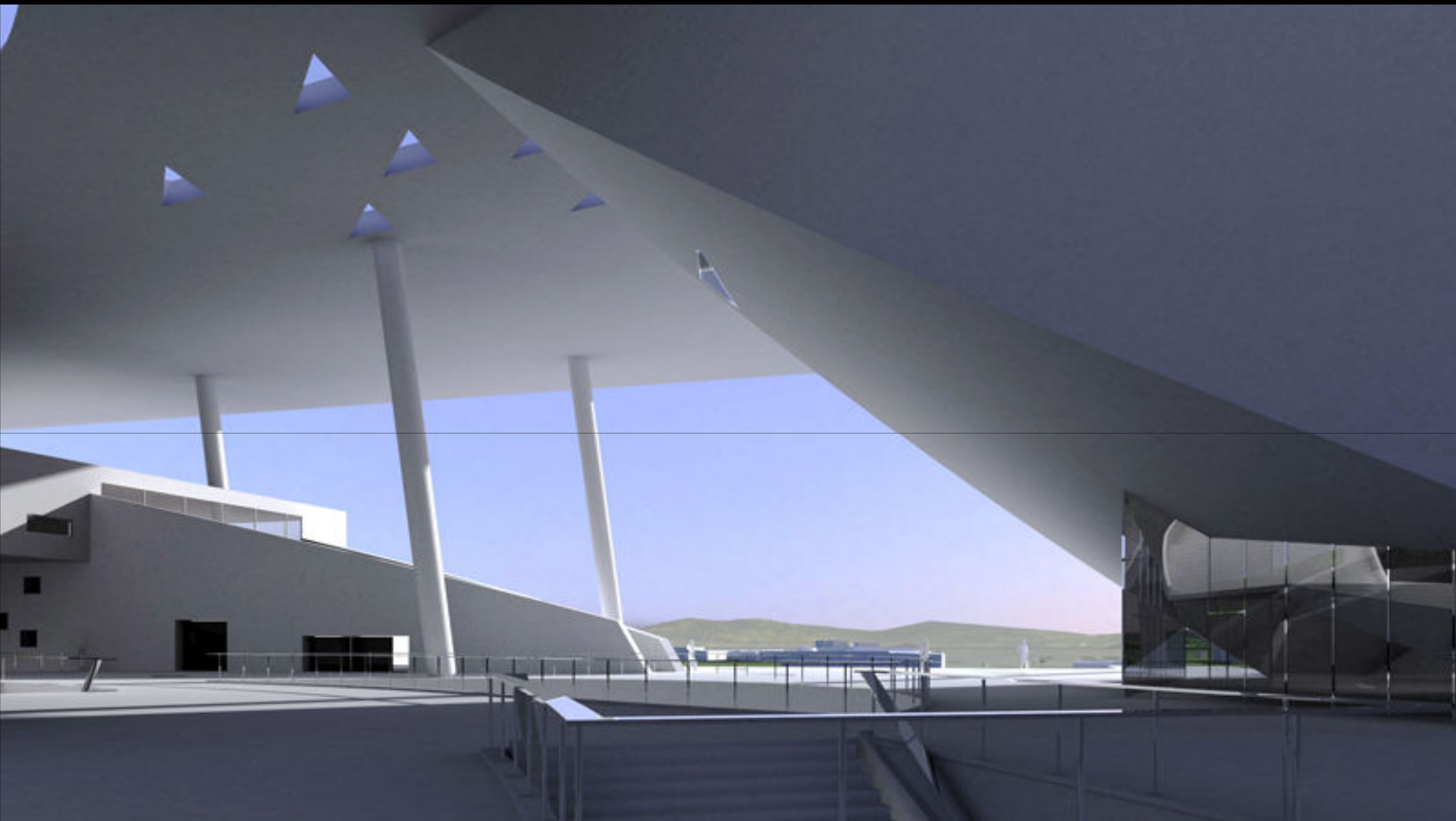






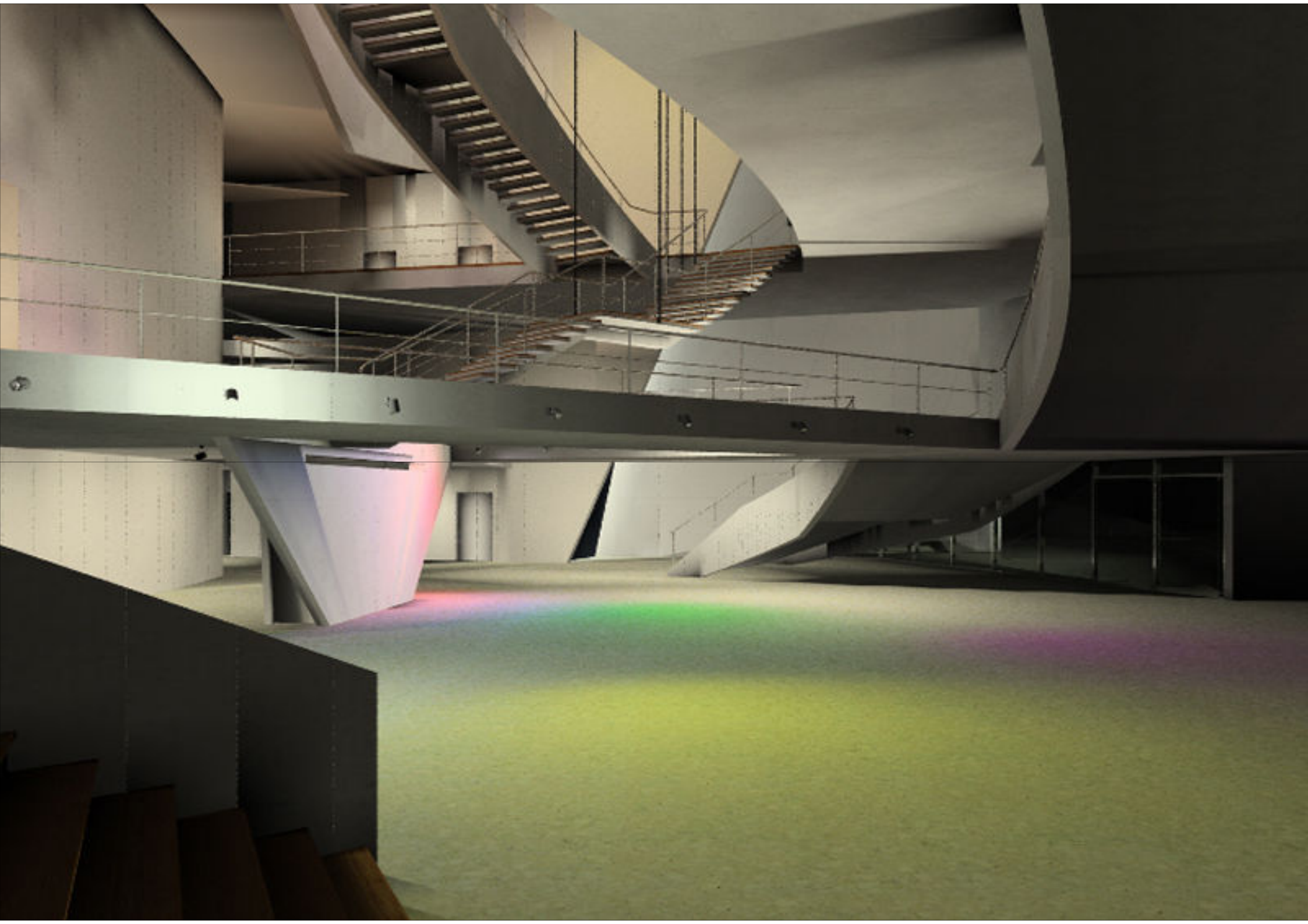


A Esplanada como mirante

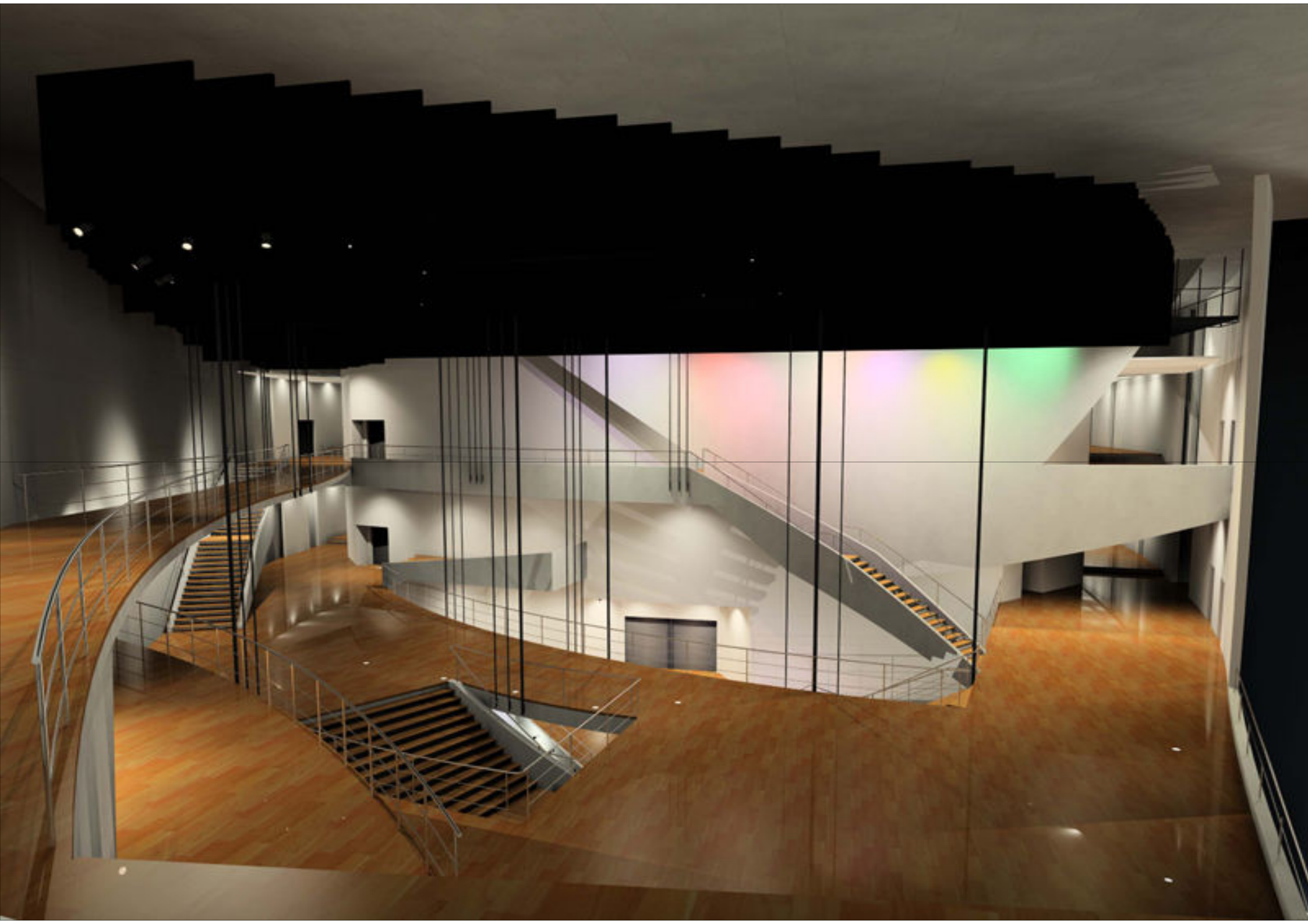


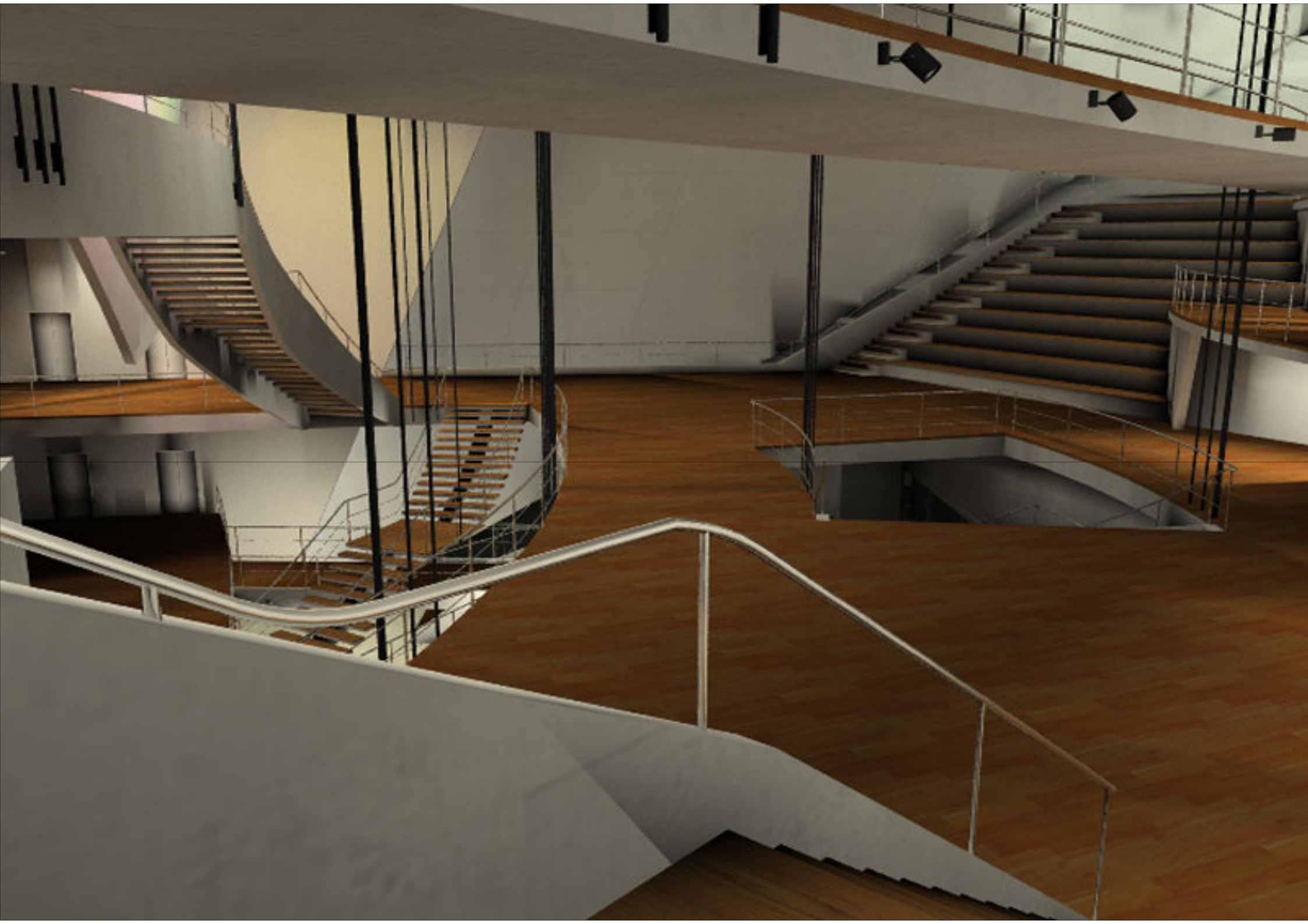


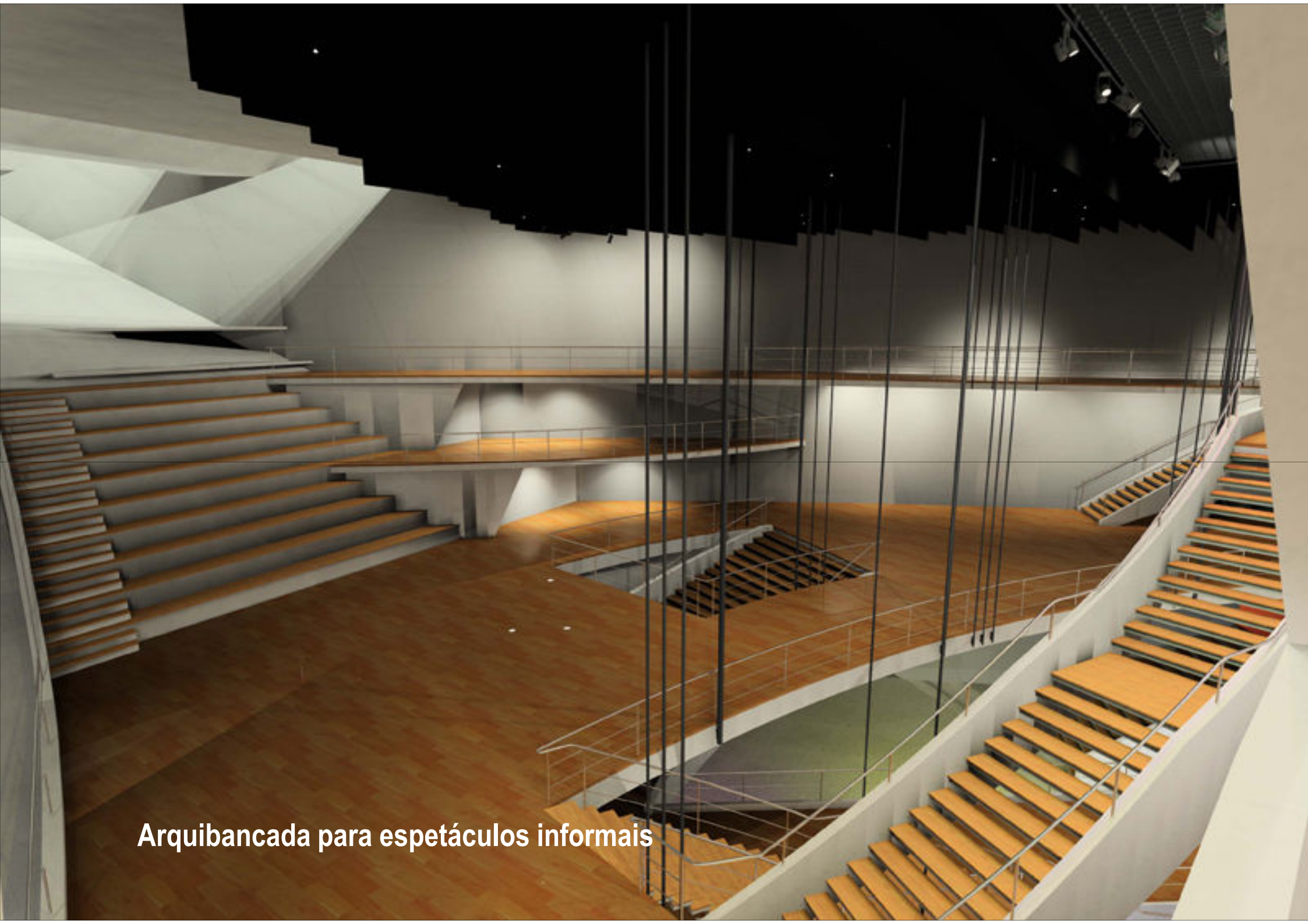
Foyer da Grande Sala











Arquibancada para espetáculos informais



Torres de
camarote

coro

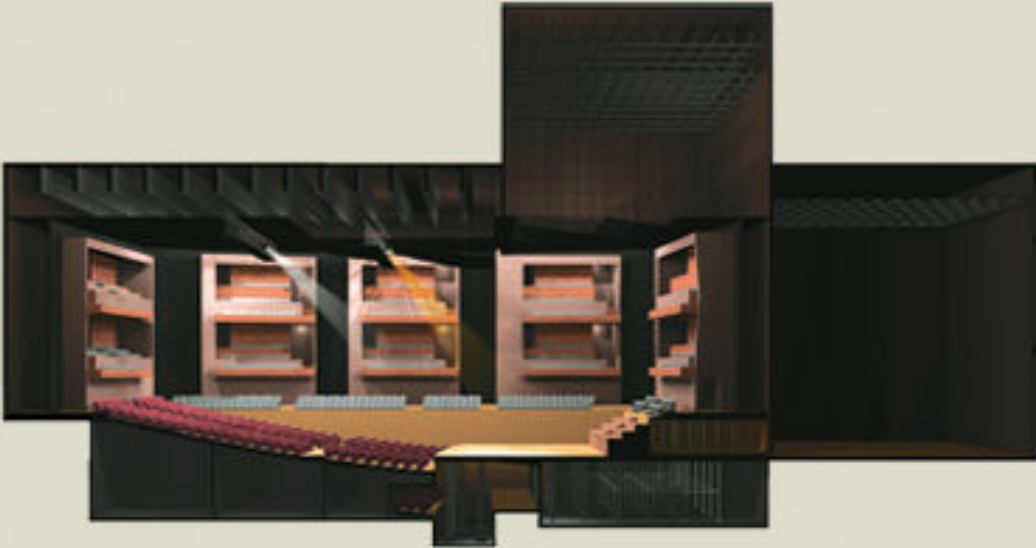
palco

platéia

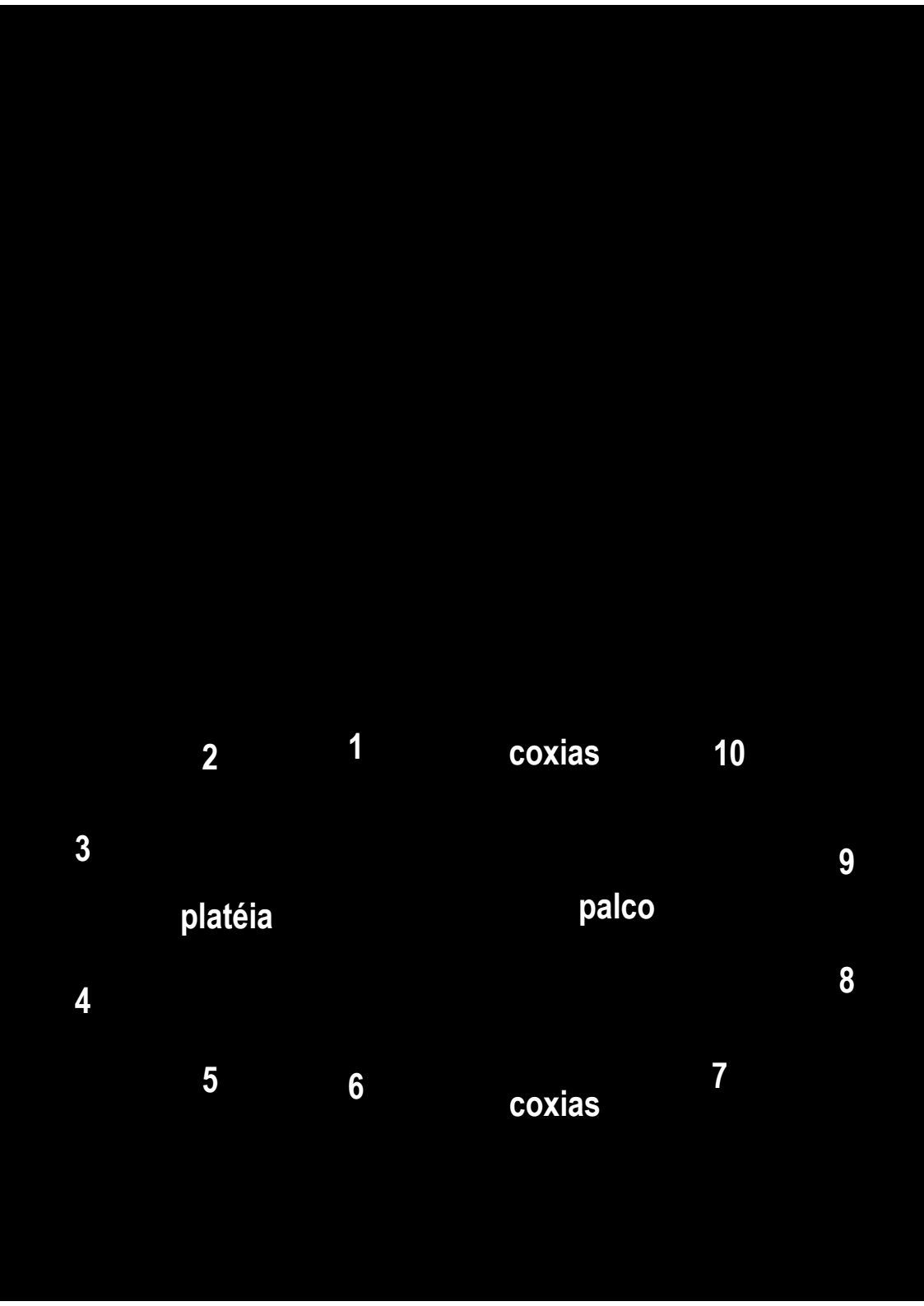
Integração músicos e audiência

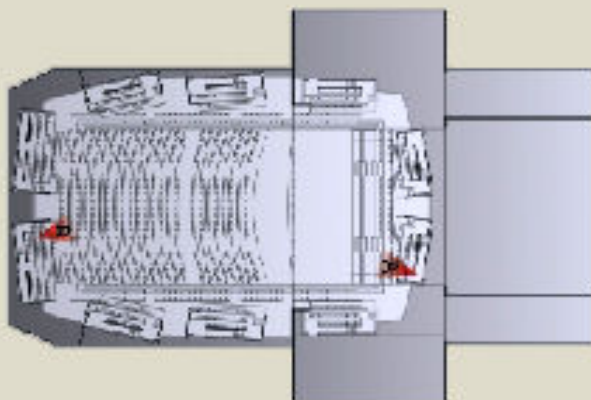


TRANSFO

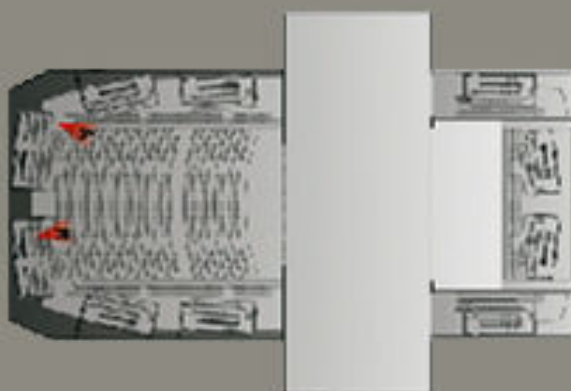


CONCERTO

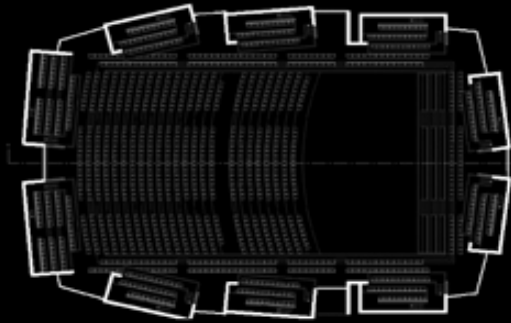




CONCERTO: 1800 lugares



ÓPERA: 1300 lugares



Filarmônicas

CIDADE DA MÚSICA
Rio de Janeiro

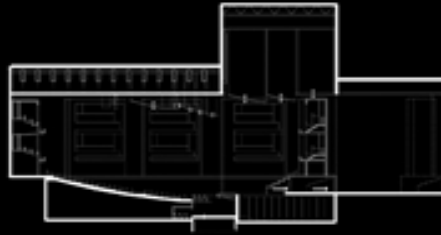
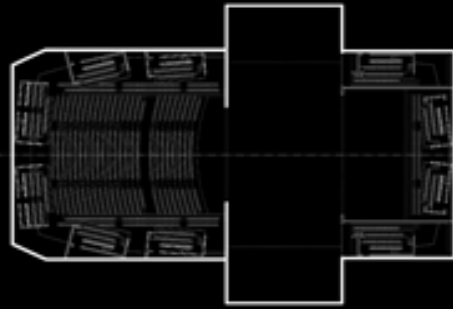
Grosser Musikvereinsaal
Viena

Neues Gewandhaus
Leipzig

Concertgebouw
Amsterdã

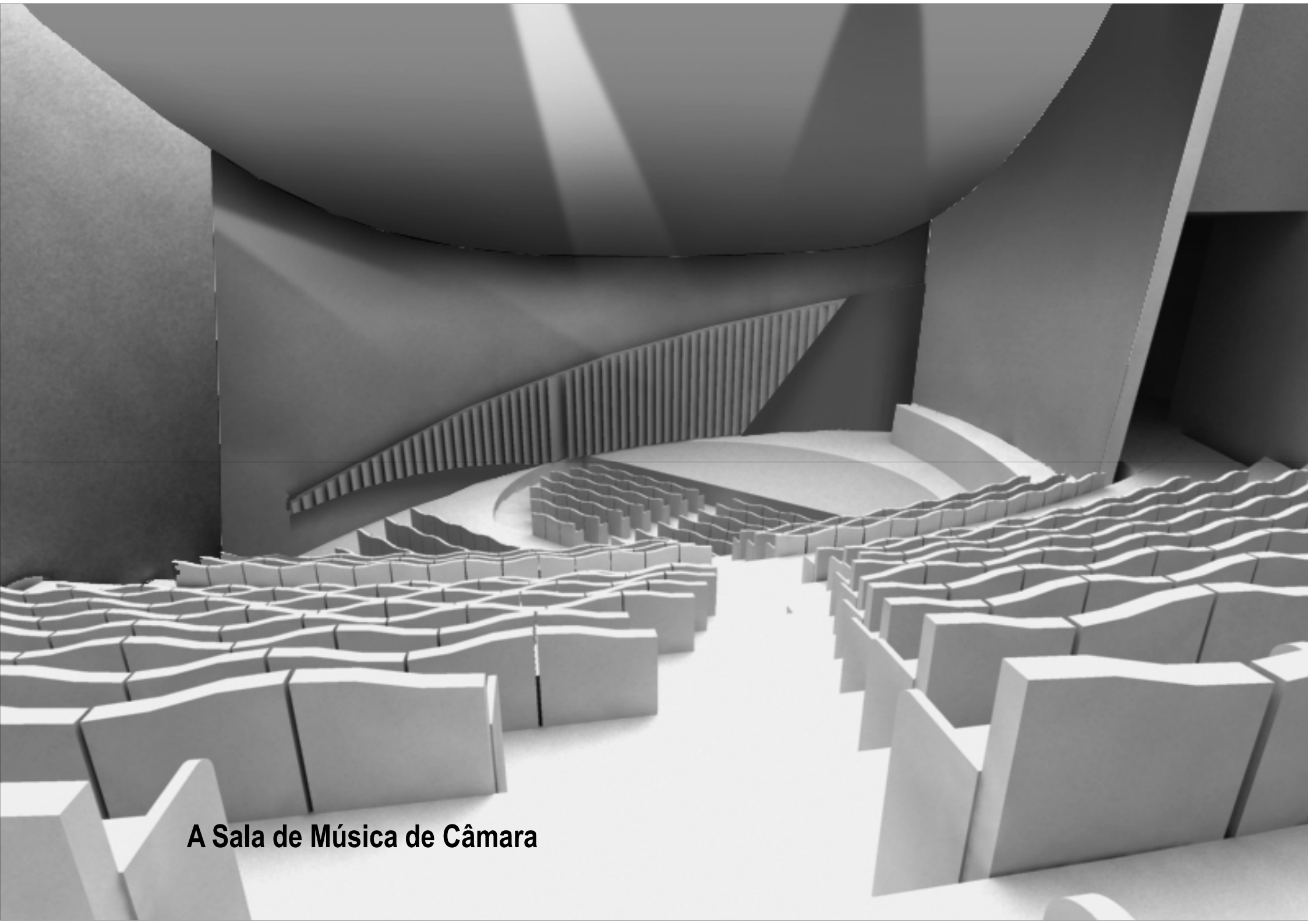
Óperas

CIDADE DA MÚSICA
Rio de Janeiro

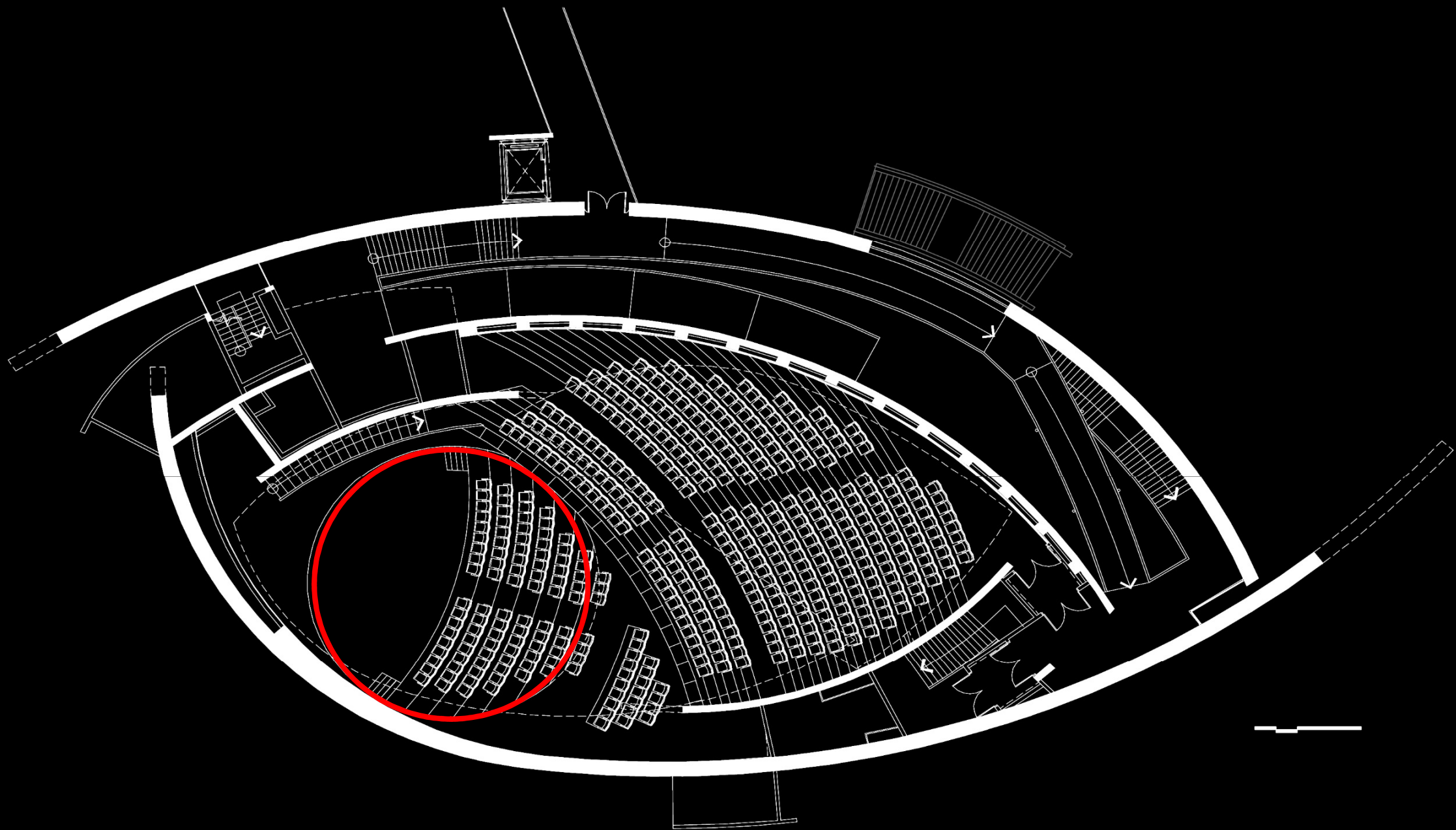


Opera Garnier
Paris

Opera Bastille
Paris



A Sala de Música de Câmara



Música Acústica X Amplificada



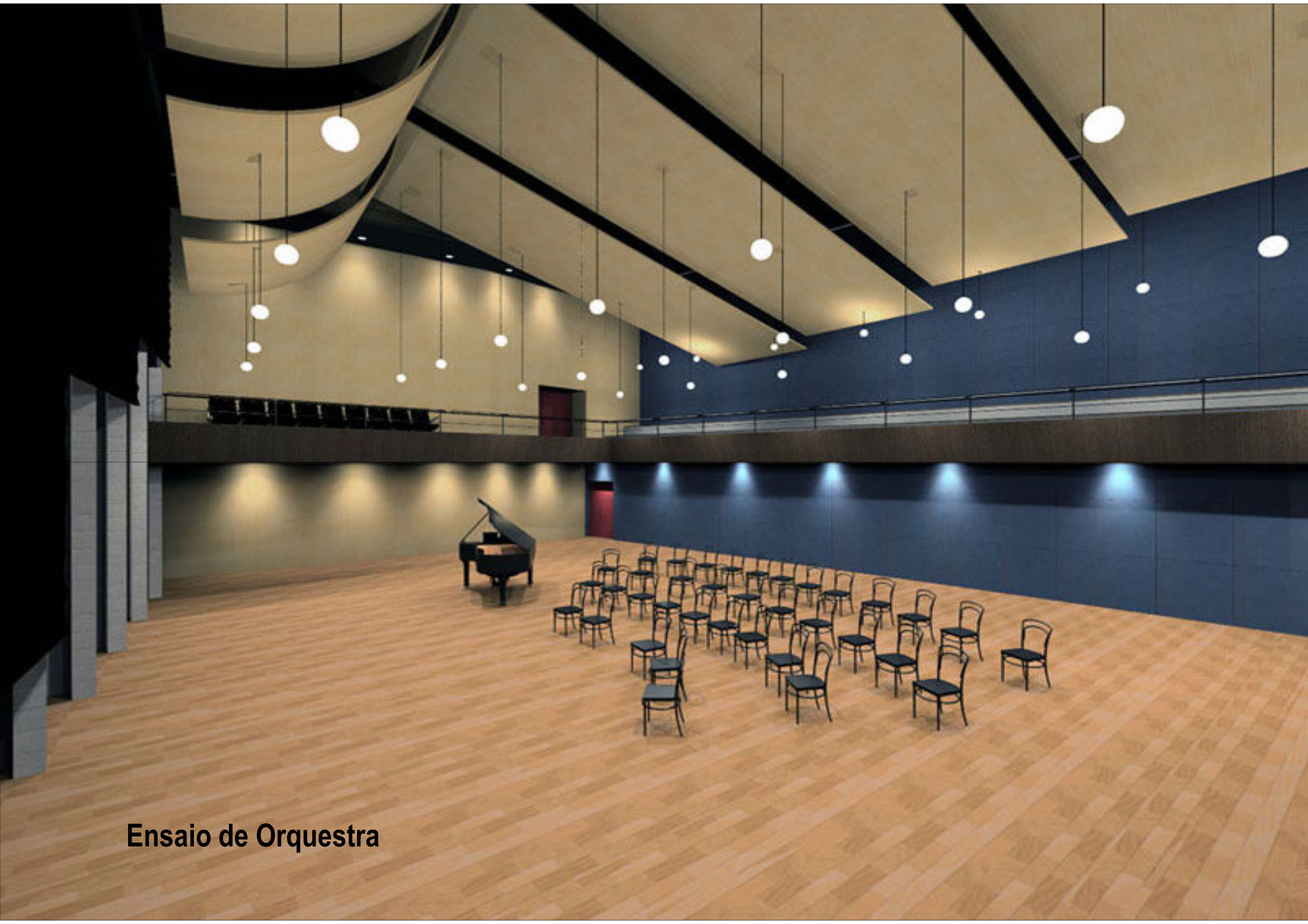


A Sala Eletroacústica

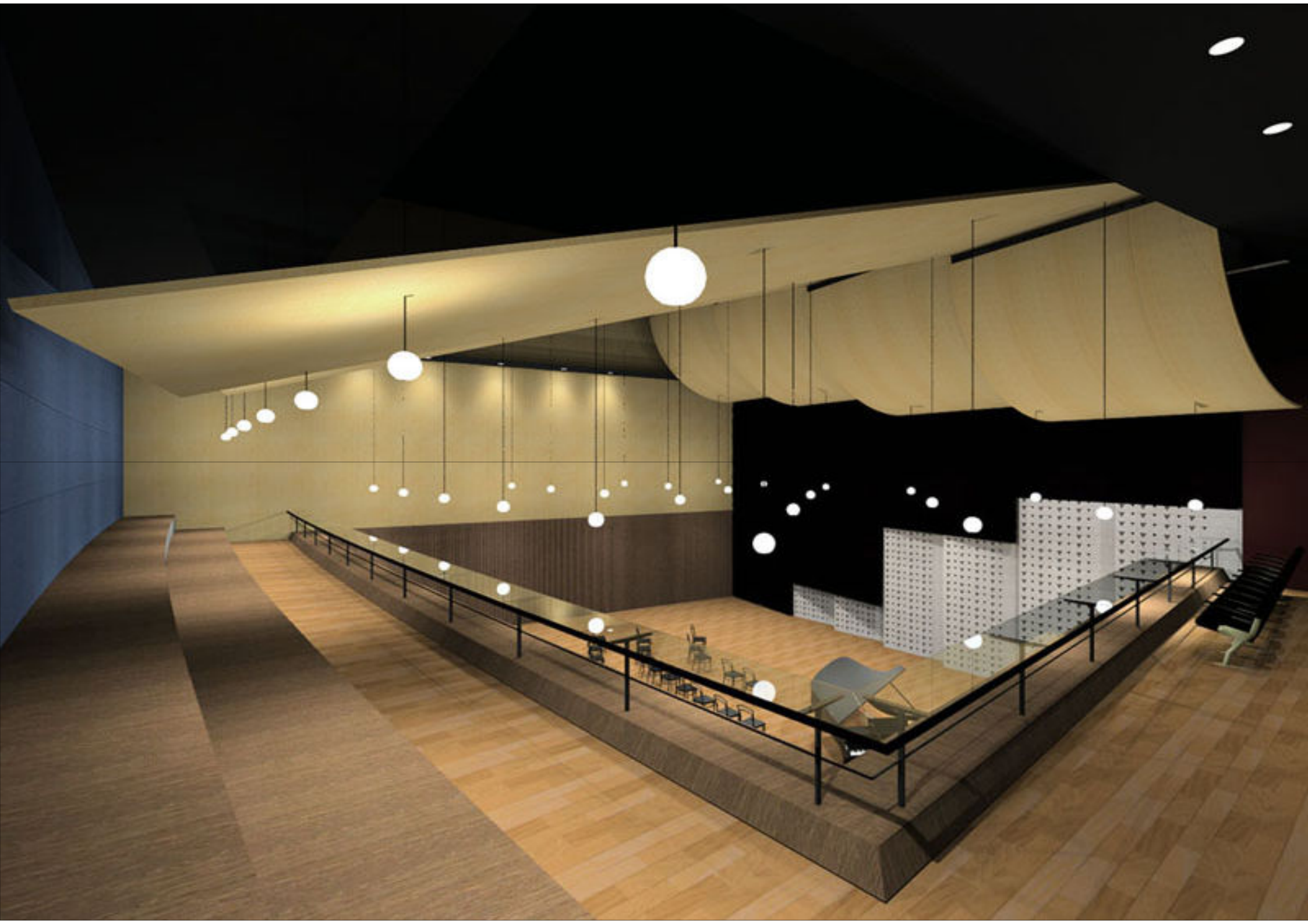


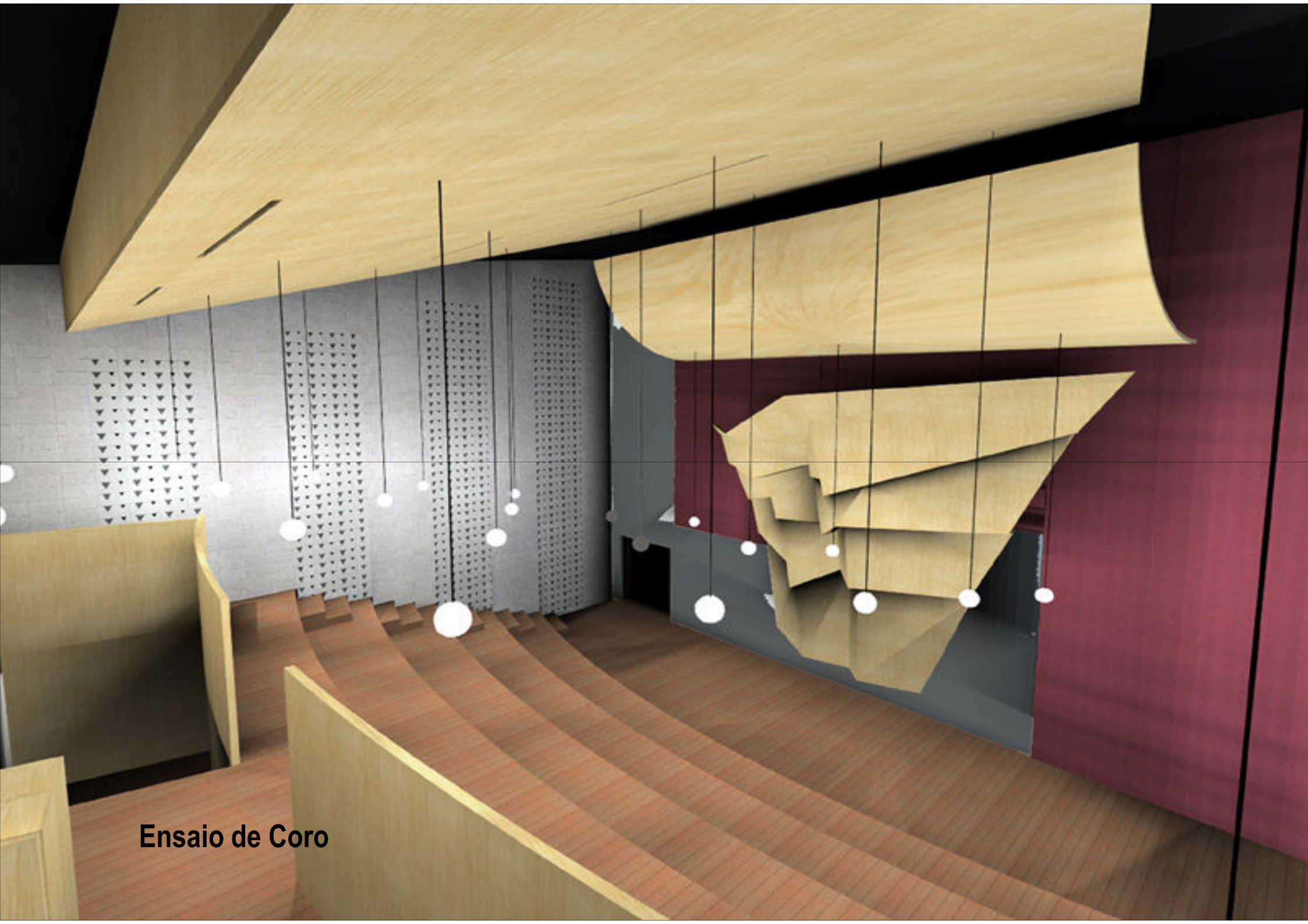


A rua dos músicos



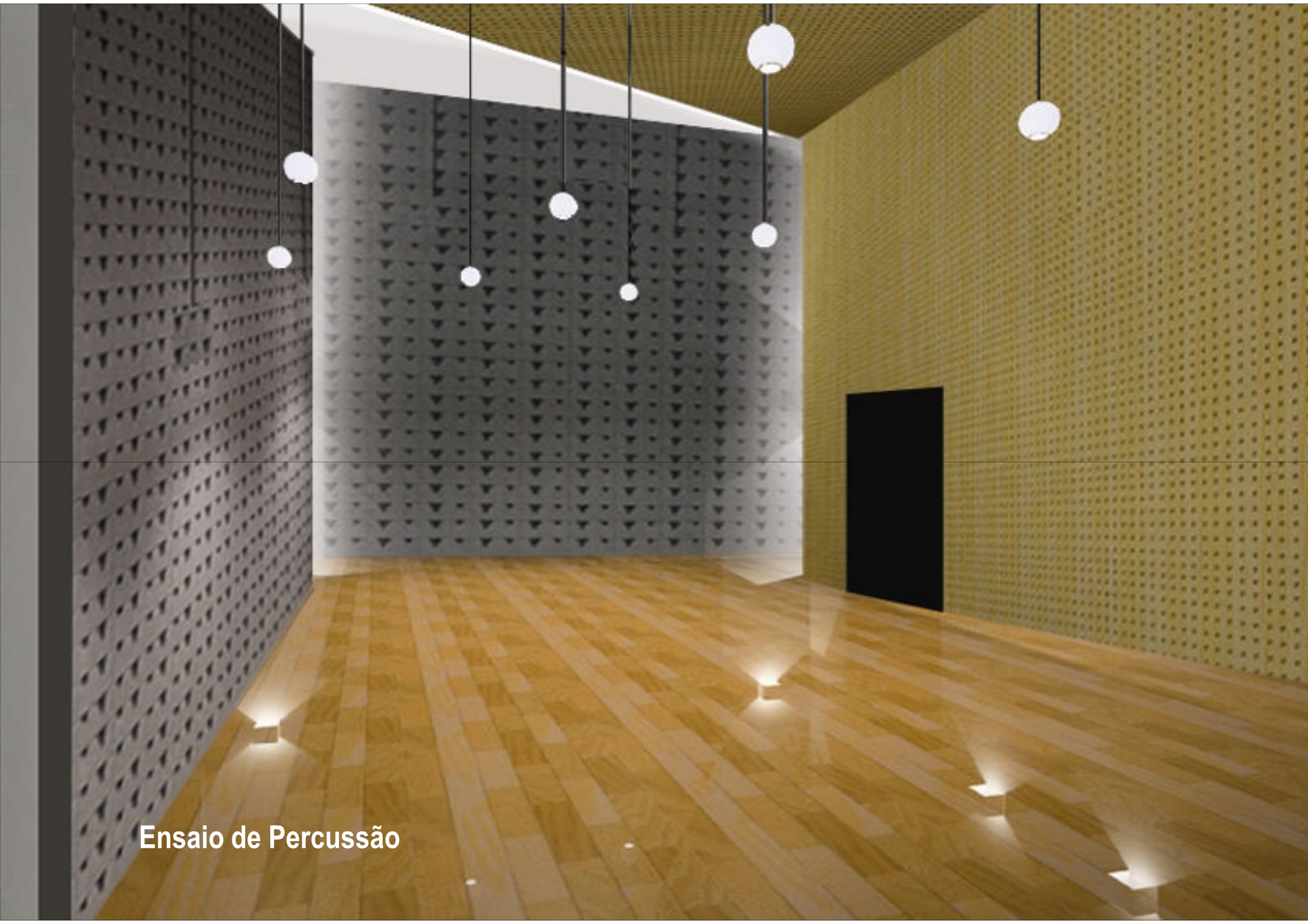
Ensaio de Orquestra





Ensaio de Coro





Ensaio de Percussão



Ensaio Parcial





Ensaio de Dança





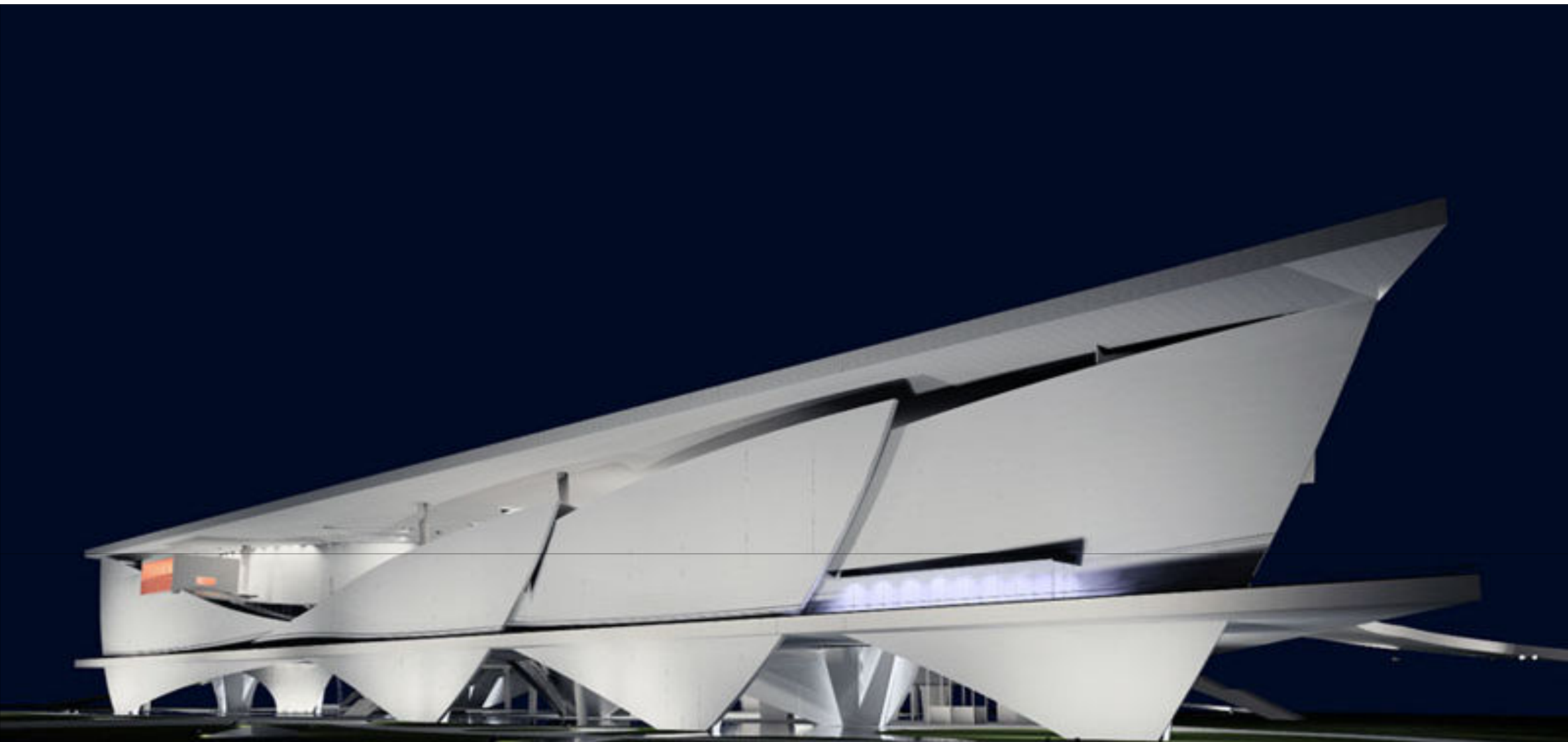
Saguão dos Camarins



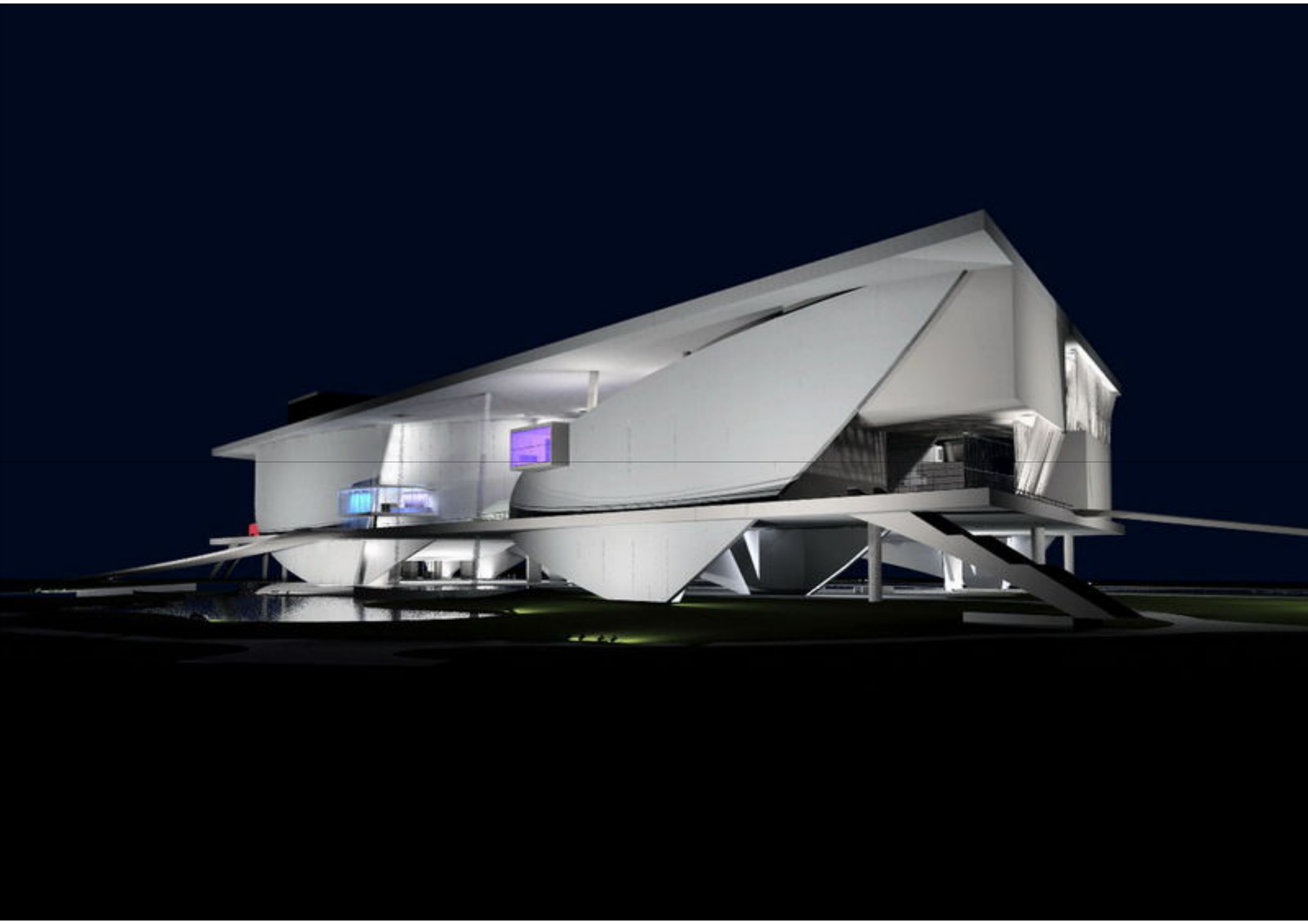
Camarins Coletivos

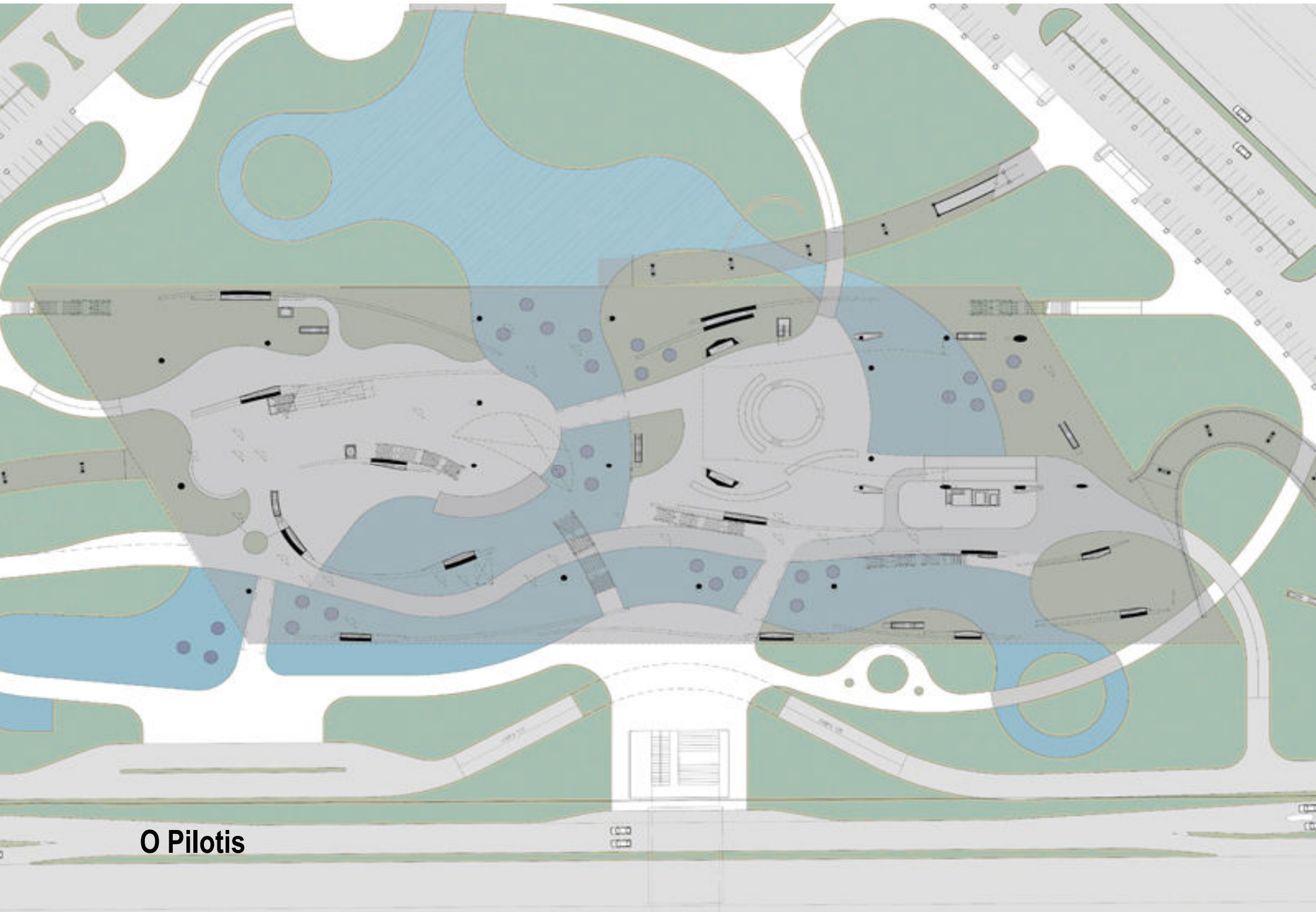


Camarins Individuais

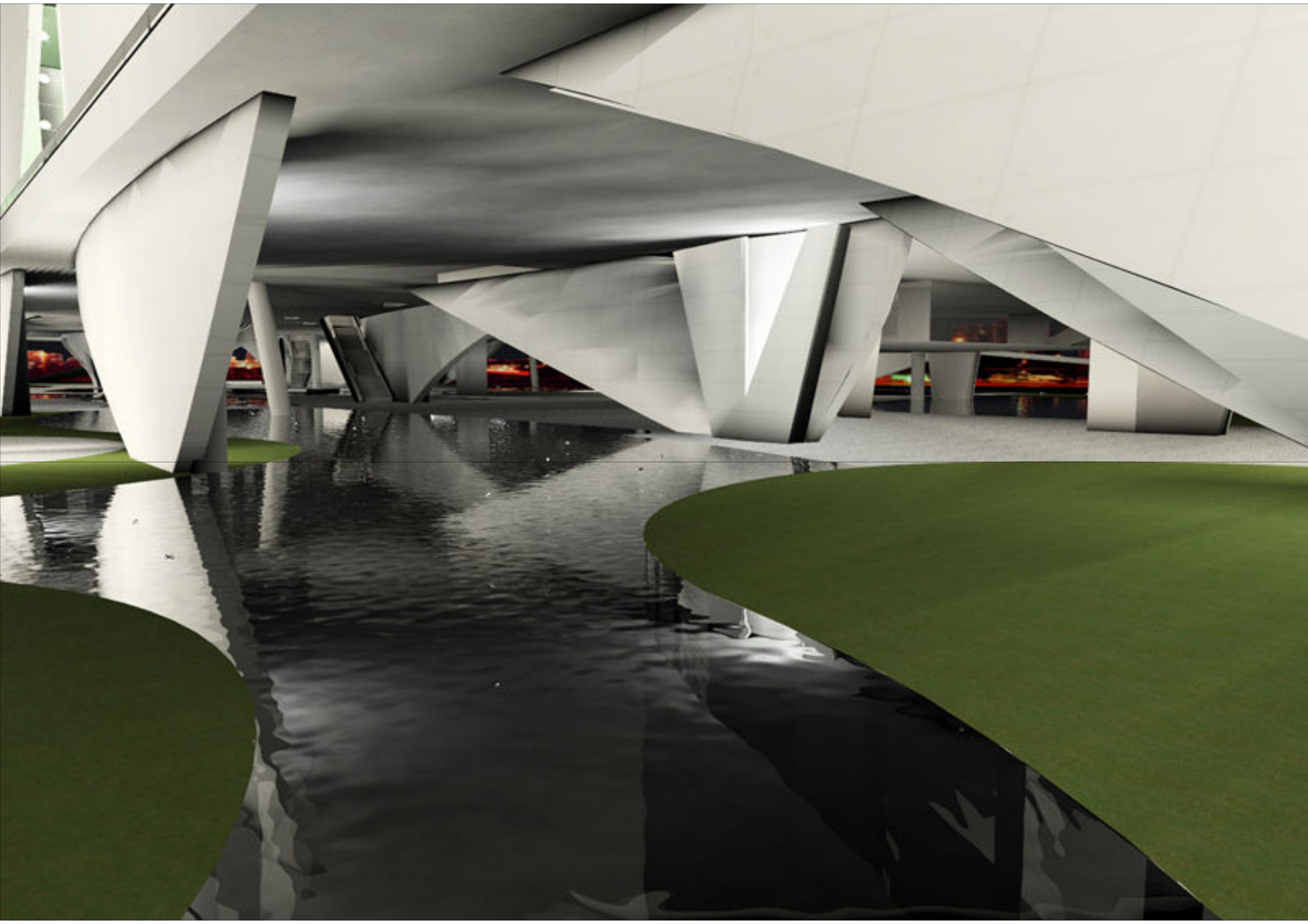


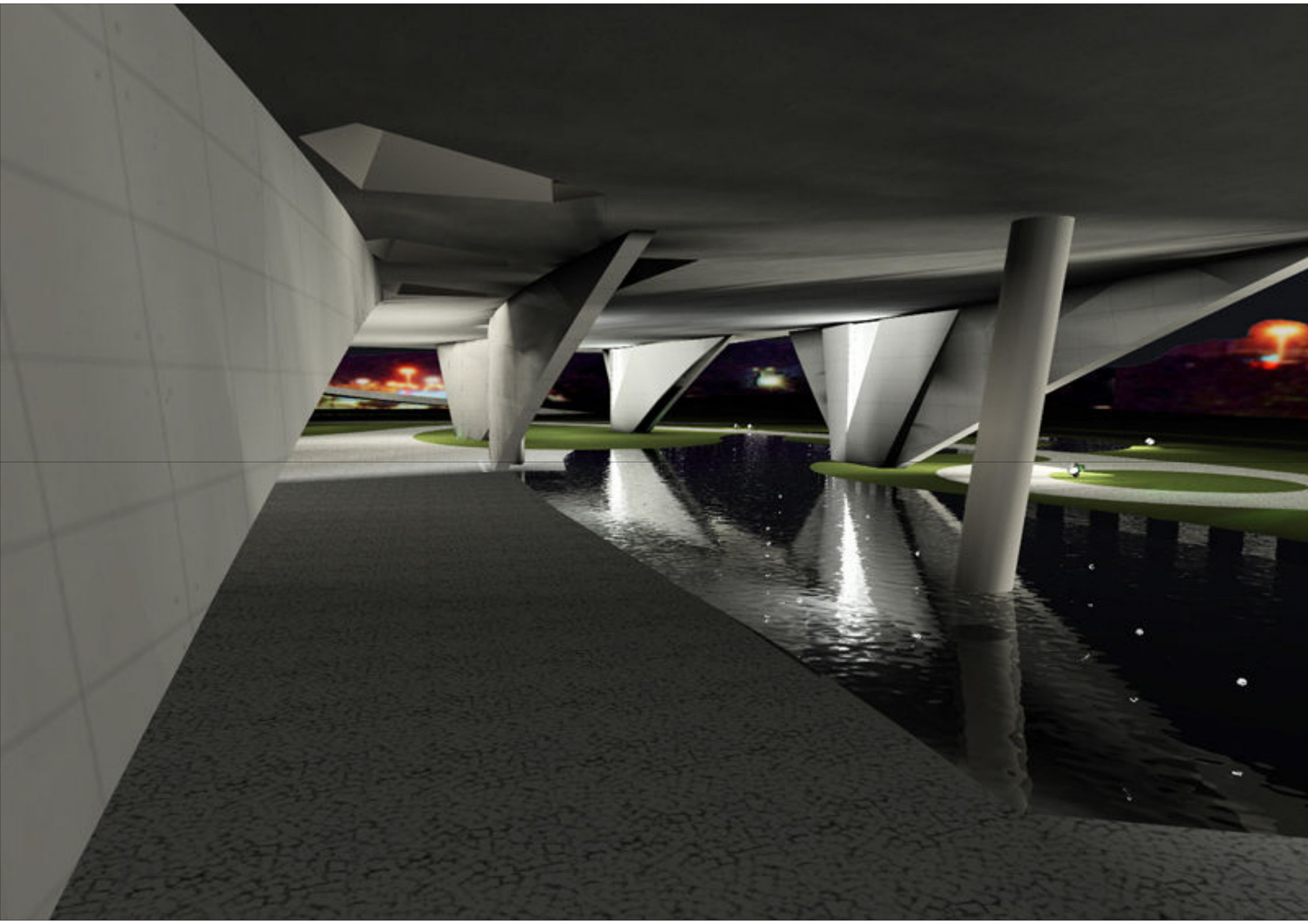
Noites de espetáculo

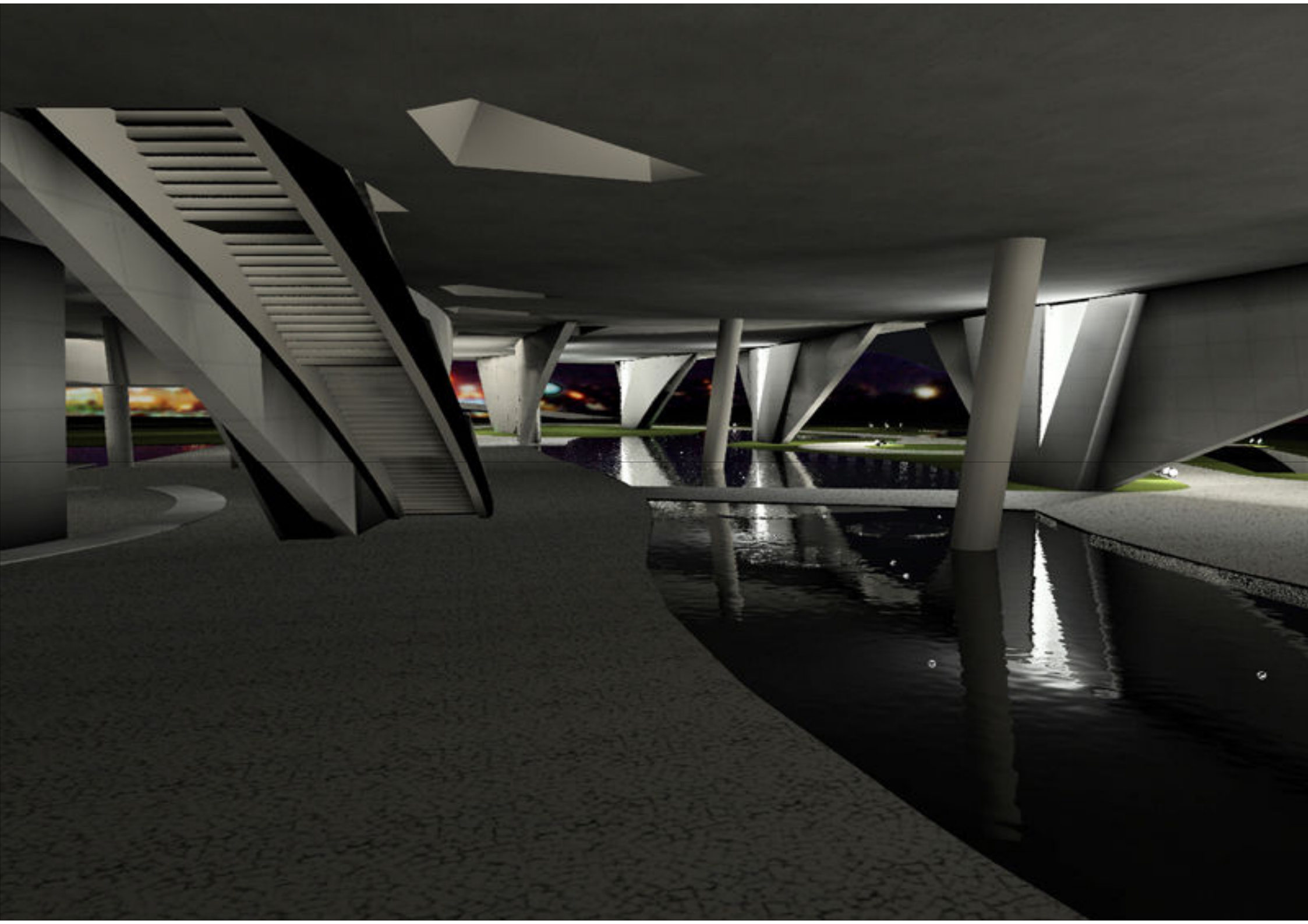


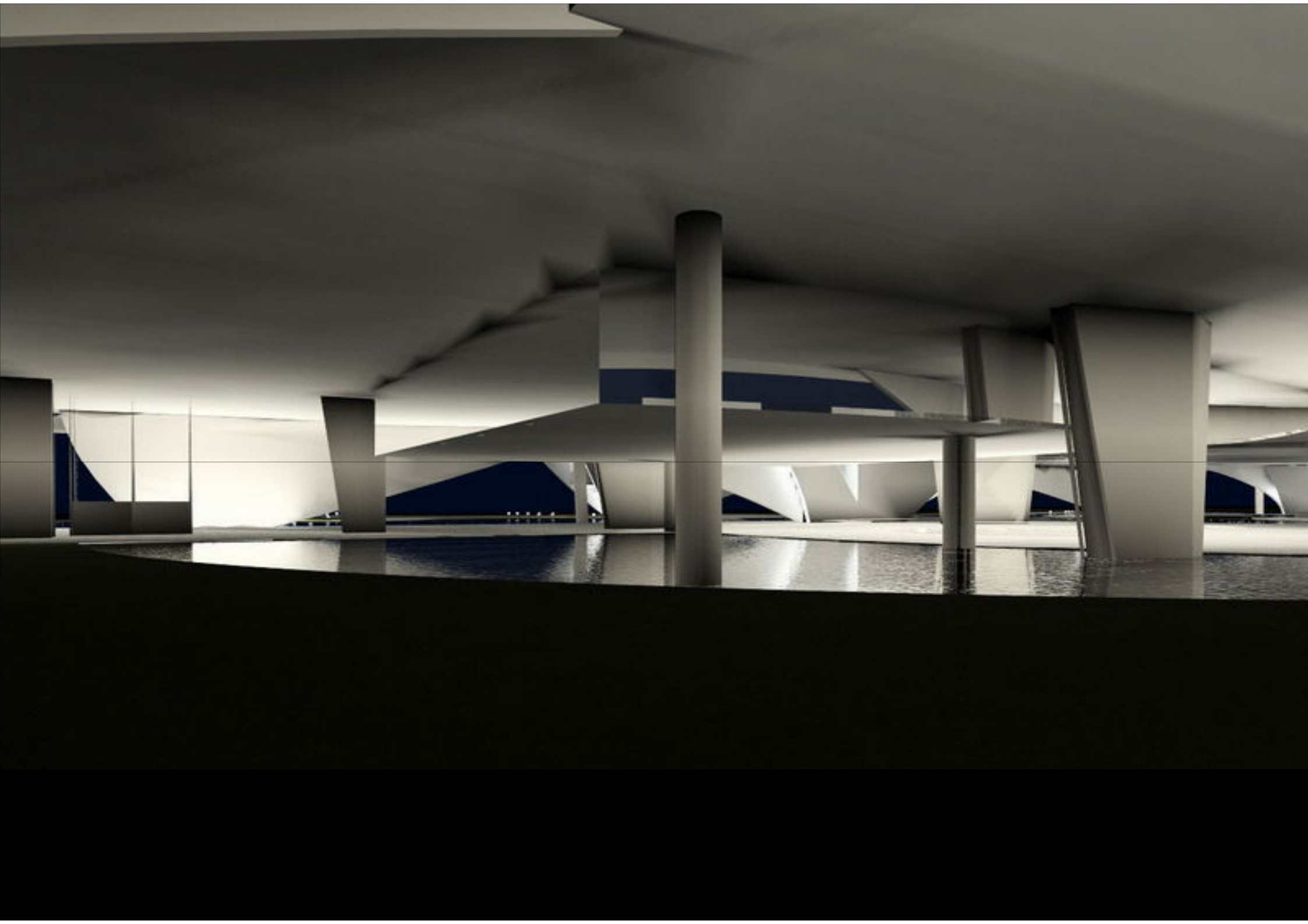


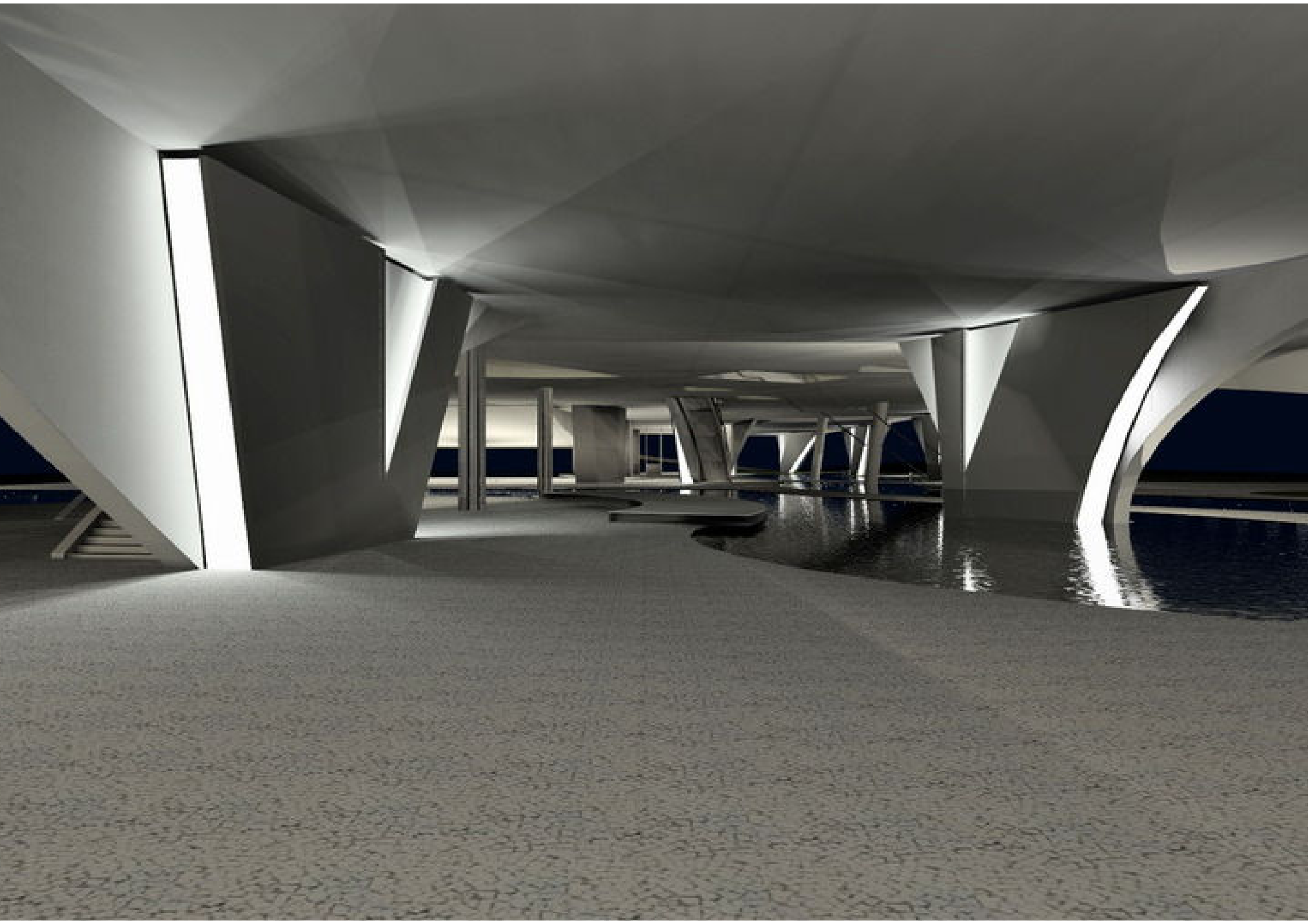
O Pilotis







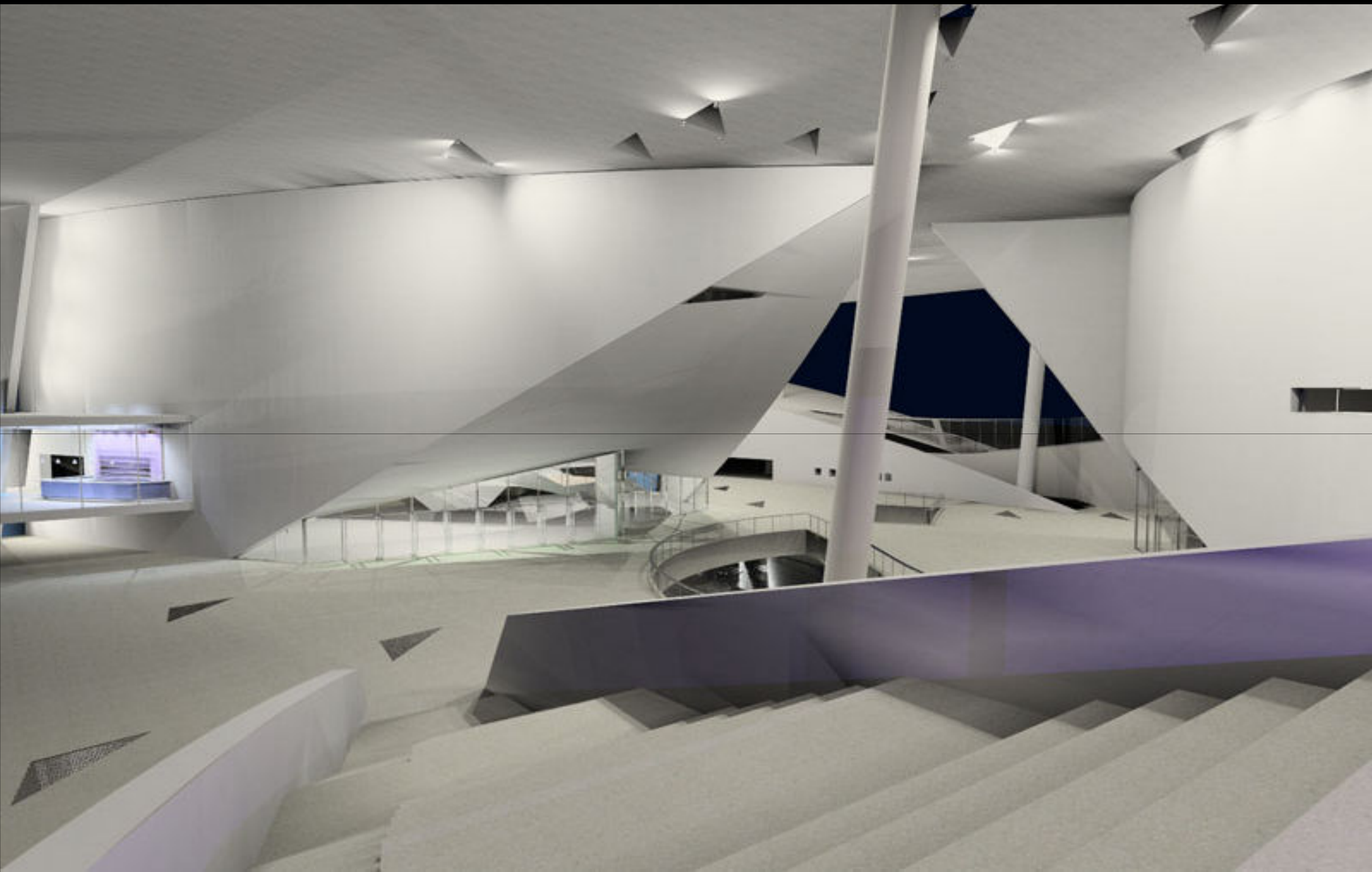






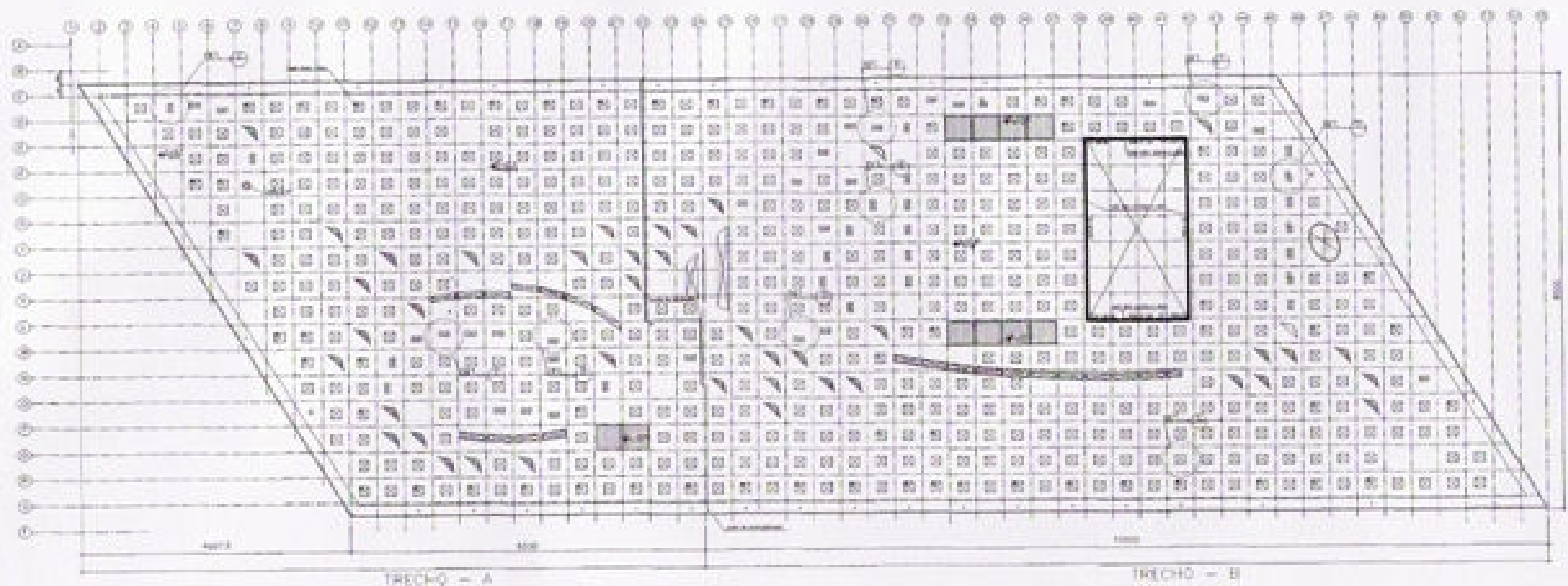


A Esplanada

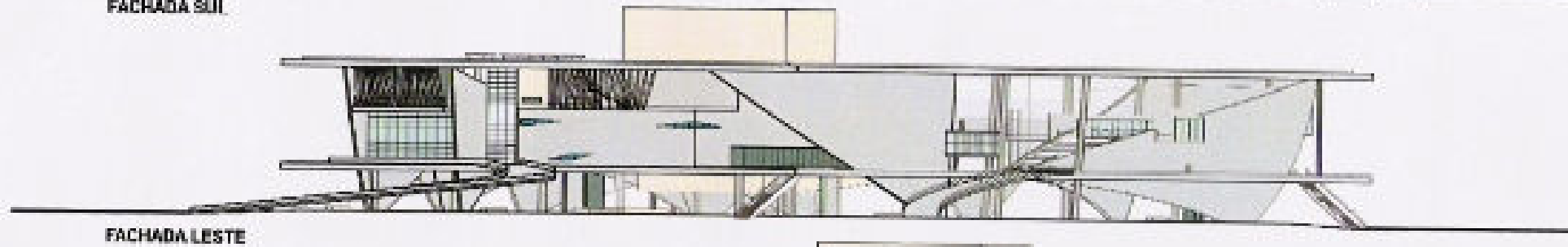
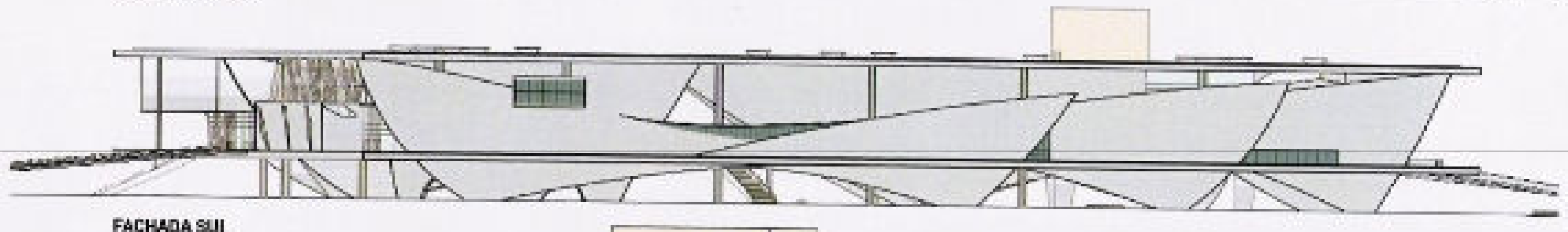
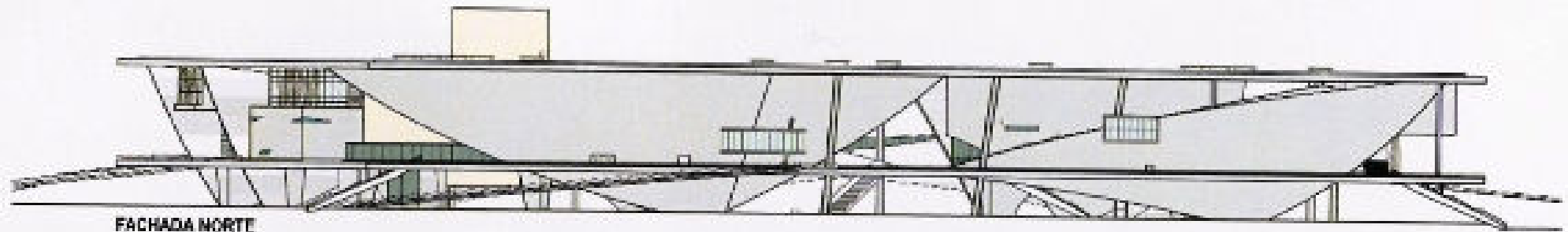




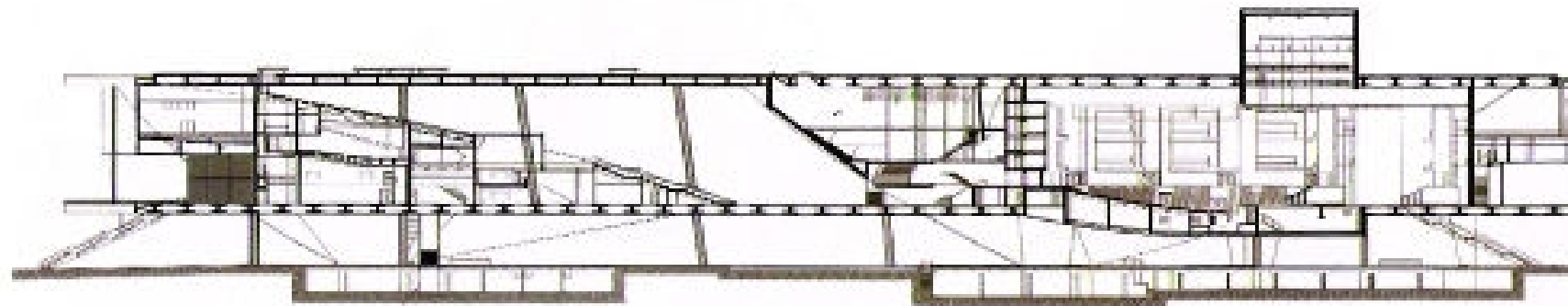
COBERTURA – NIVEL + 31.70



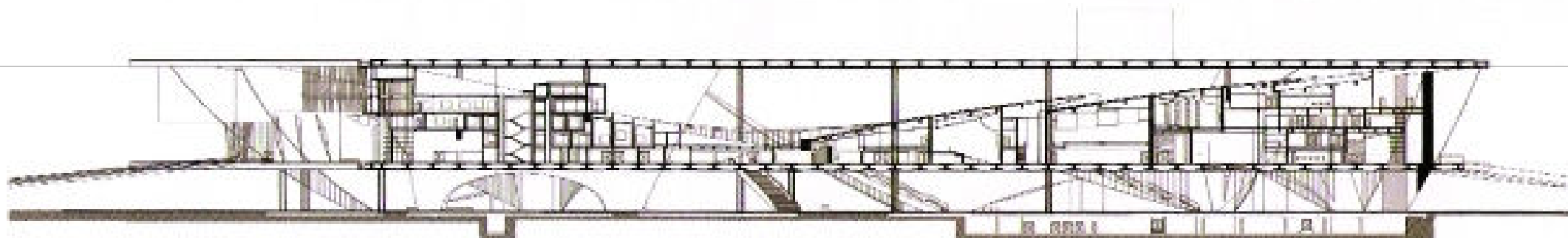
FACHADAS



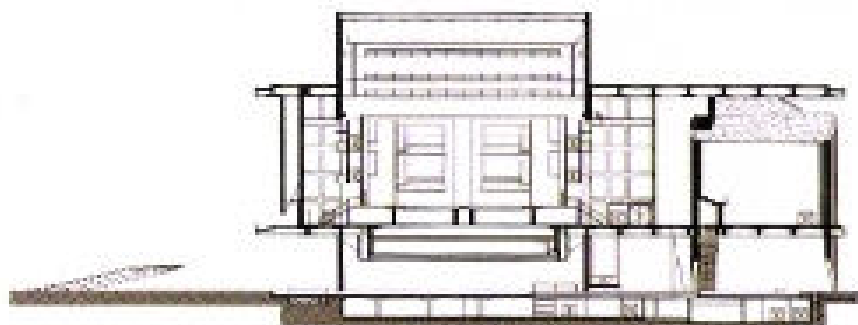
CORTES



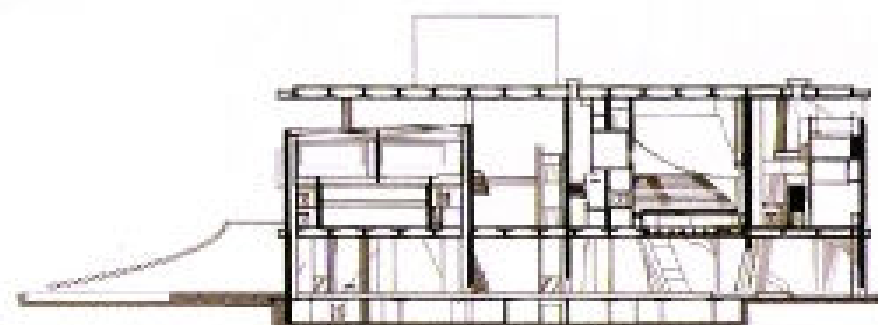
CORTE LONGITUDINAL CINEMA E GRANDE SALA



CORTE LONGITUDINAL ENSAIOS



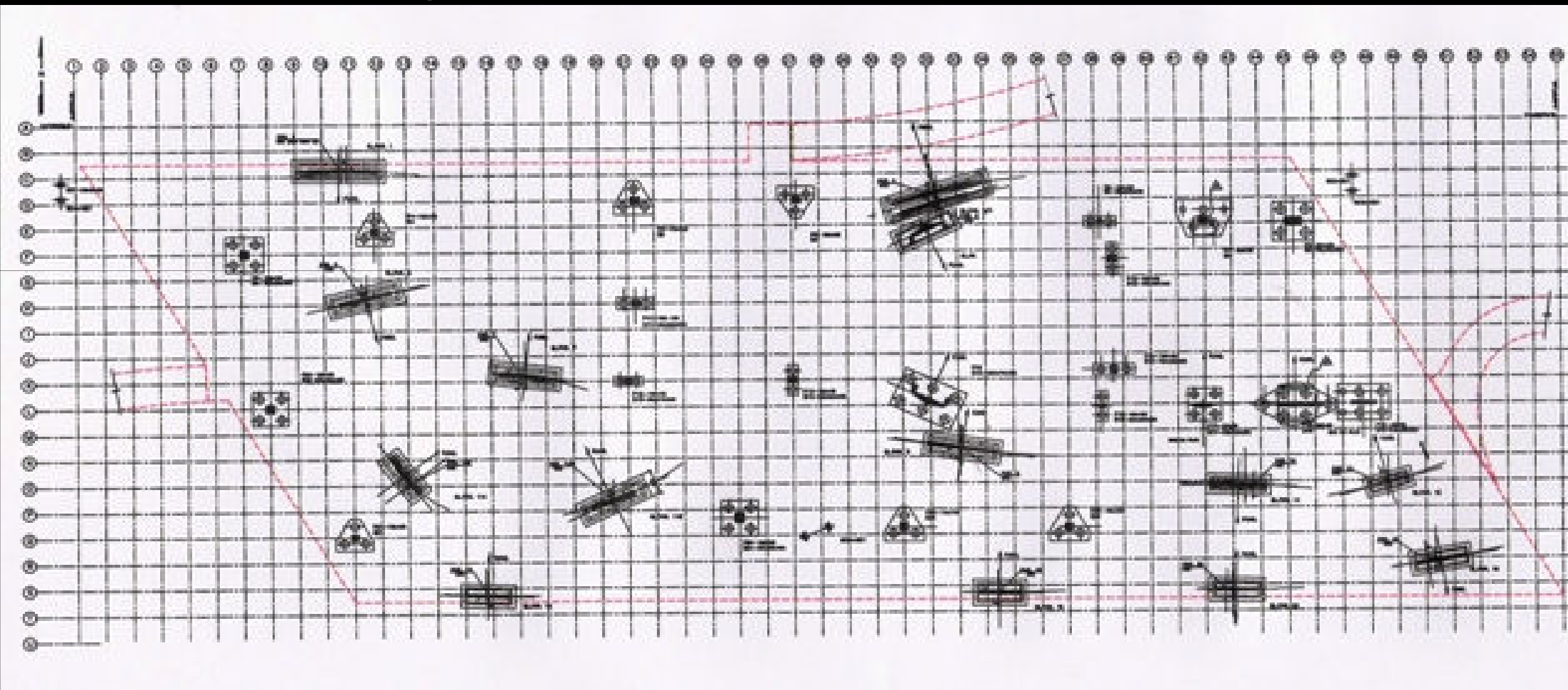
CORTE TRANSVERSAL GRANDE SALA E ENSAIOS



CORTE TRANSVERSAL CINEMA, MÚSICA DE CÂMARA E ENSAIOS

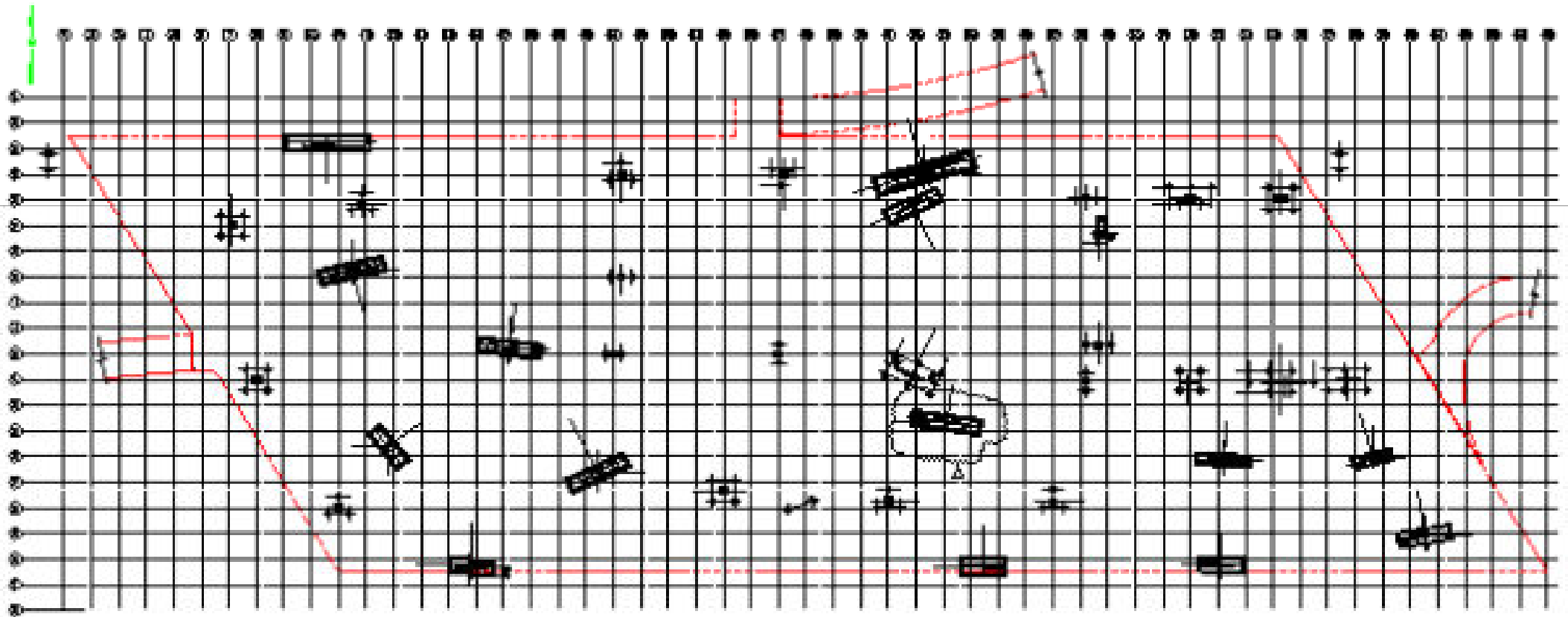
FUNDAÇÕES

LOCAÇÃO E FORMA DOS BLOCOS

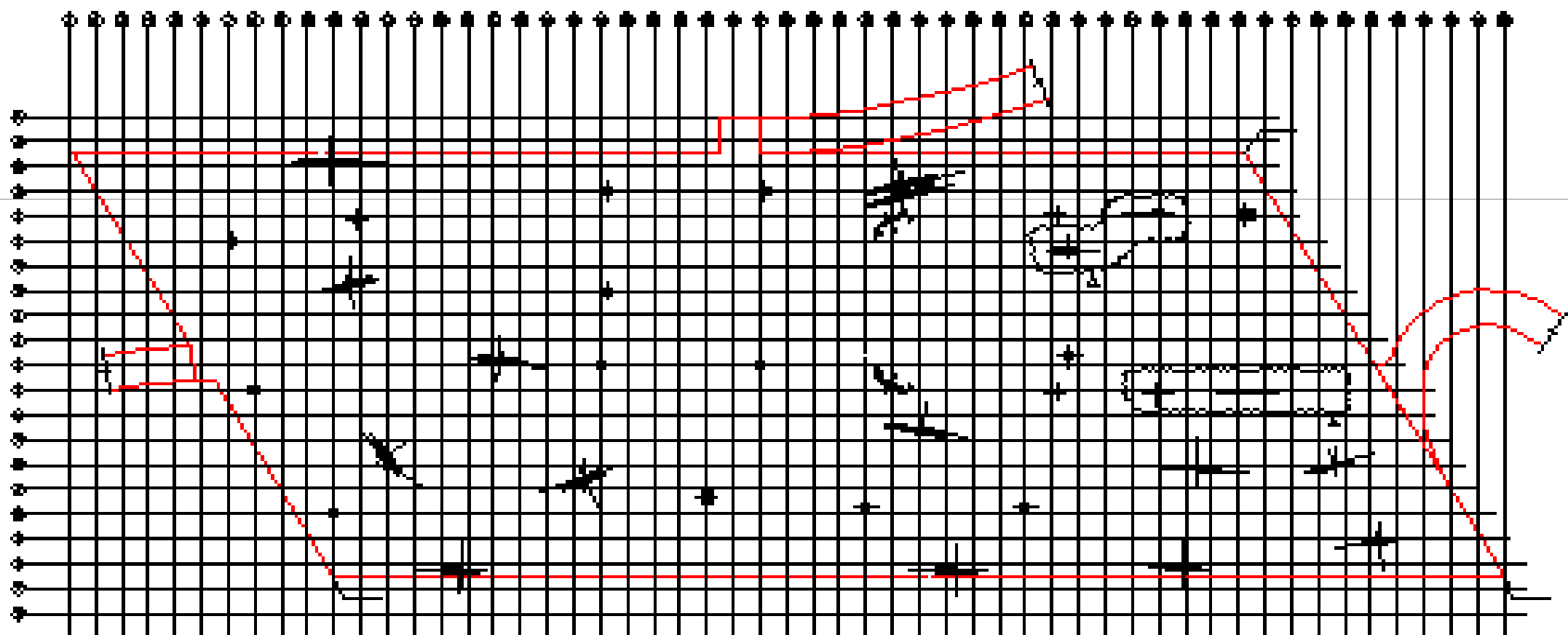


FUNDAÇÕES

LOCAÇÃO DO TUBULÕES E BARRETES



LOCAÇÃO DOS PILARES E PAREDES

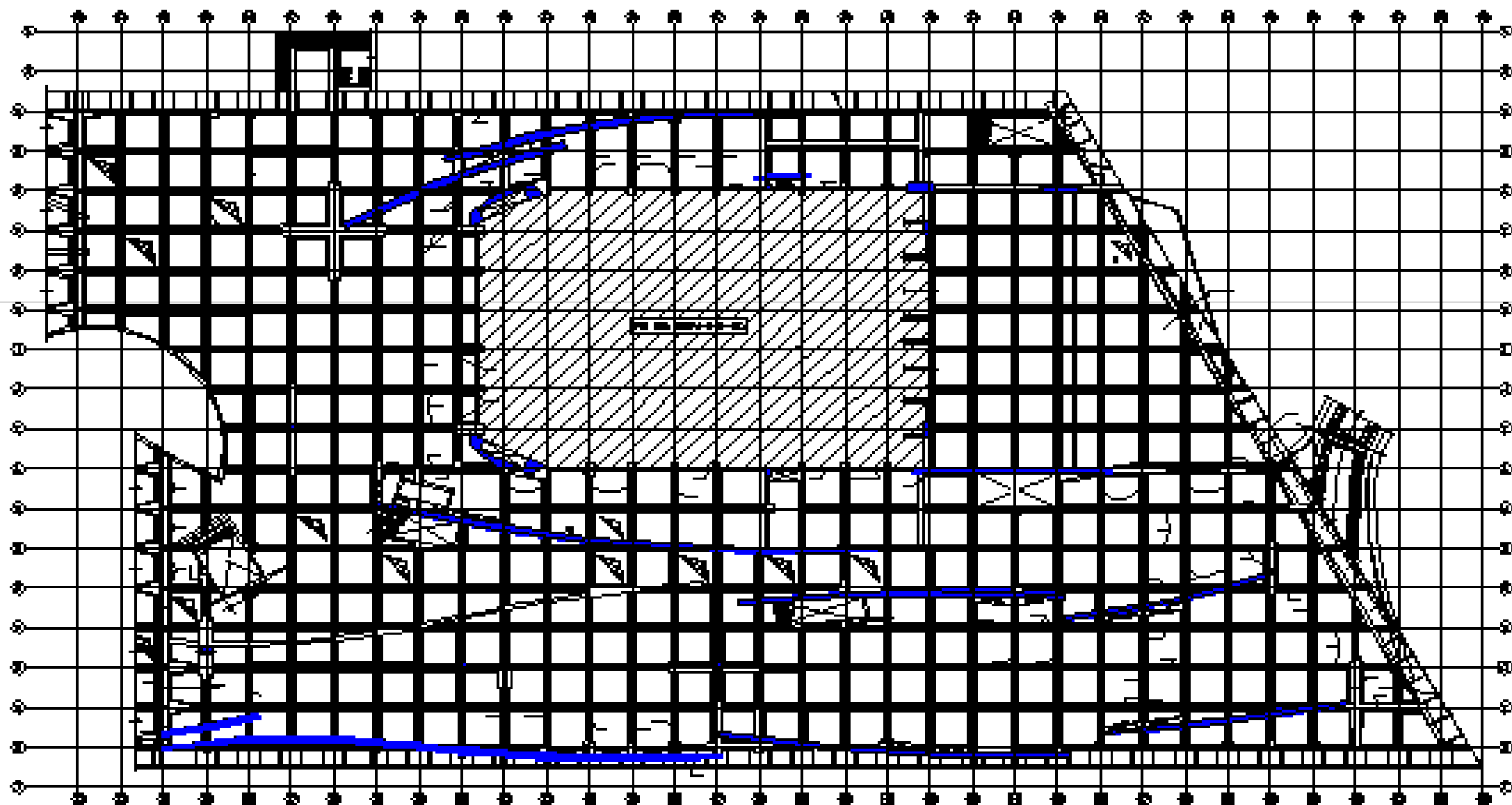


QUADRO DE CARGAS PILARES E PAREDES

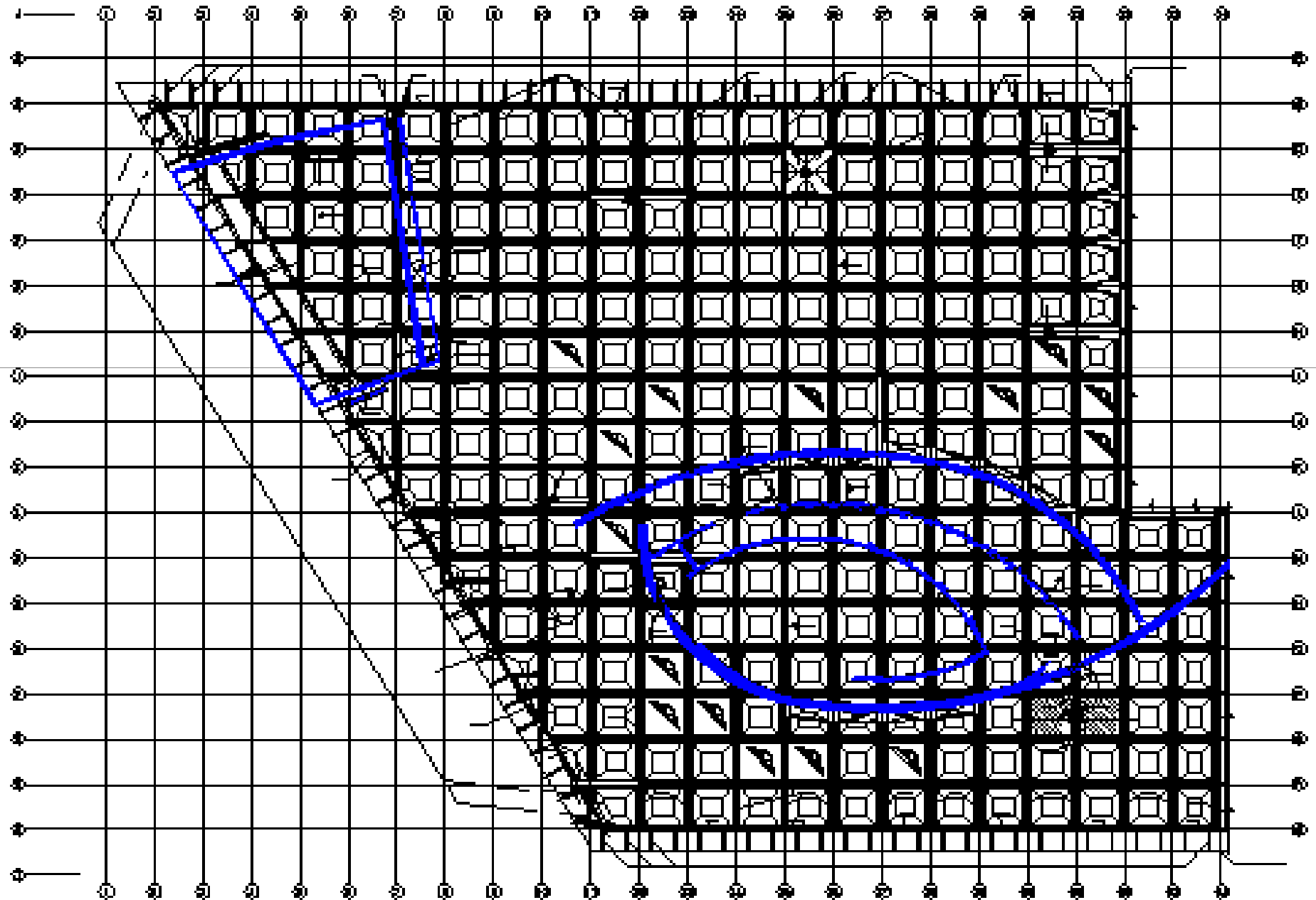
CARGA NOS PILARES		CARGA NOS PILARES		CARGA NAS PAREDES PROVENIENTES DA AÇÃO DA GRAVIDADE			
PILAR	CARGA Fz (kN)	PILAR	CARGA Fz (kN)	PAREDE	CARGA Fz (kN)	MI (kN.m)	MII (Kn.m)
-	-	-	-				
2	-24030	14	-13989	1	-68465	-4490	-80362
3	-16751	15	-54406	2	-82036	-1543	-19186
4	-8945	16	-13897	3	-46746	-2537	+74607
5	-42631	17	-28224	4	-38231	-1224	+48848
6	-16070	18	-36430	5	-88707	-1159	-28241
7	-24233	19	-32639	-	-	-	-
8	-43746	20	-28625	7	-72779	+1586	+10
9	-38160	21	-18090	11a	-54765	-5758	+33827
10	-13968	-	-	11b	-65808	-1437	+9698
11	-18918	-	-	12	-38064	-645	-9731
12	-6426	24	-27960	14	-43283	-1696	+50751
13	-13327	25	-23882	15	-42689	+1470	+4749
		26	-21021	18	-40339	+2999	+29034
				19	-28196	-29	-2995
				20	-29826	-755	-23184

NOTA: CARGAS REDUZIDAS AO CENTRO DA PAREDE

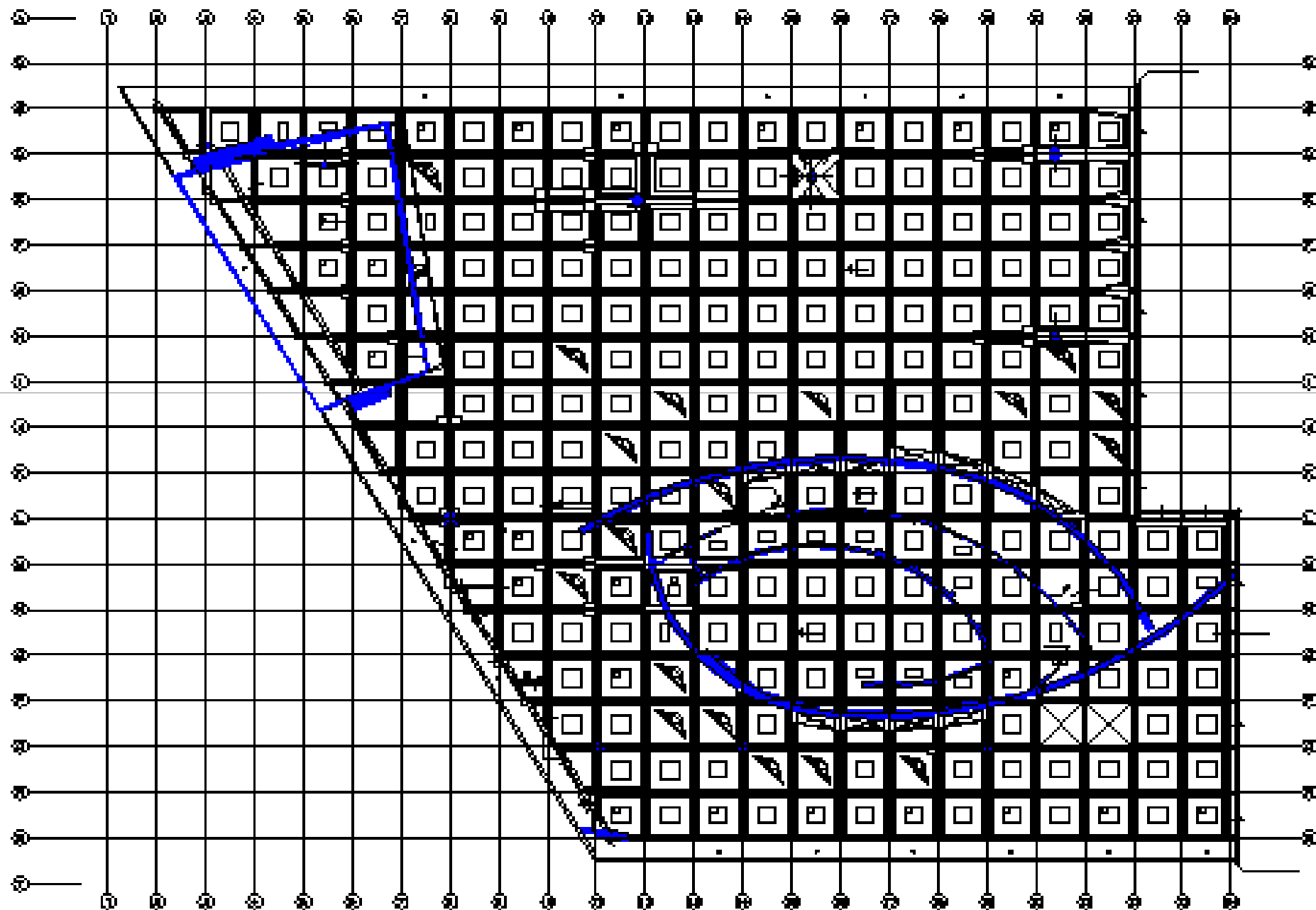
DETALHE TRECHO B NIVEL +8.47



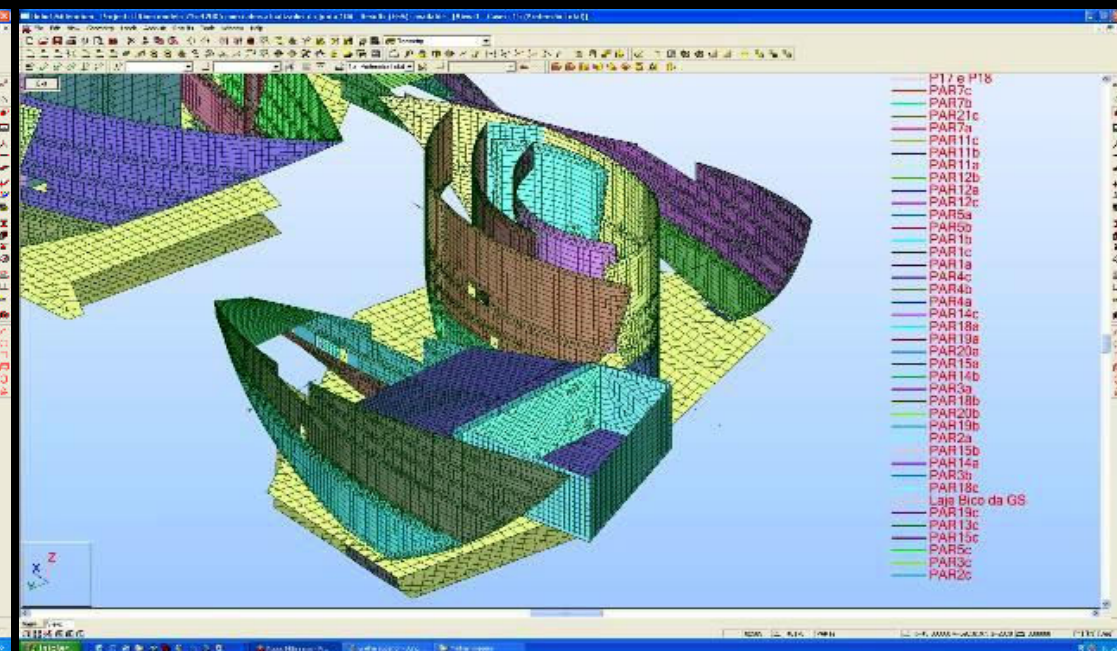
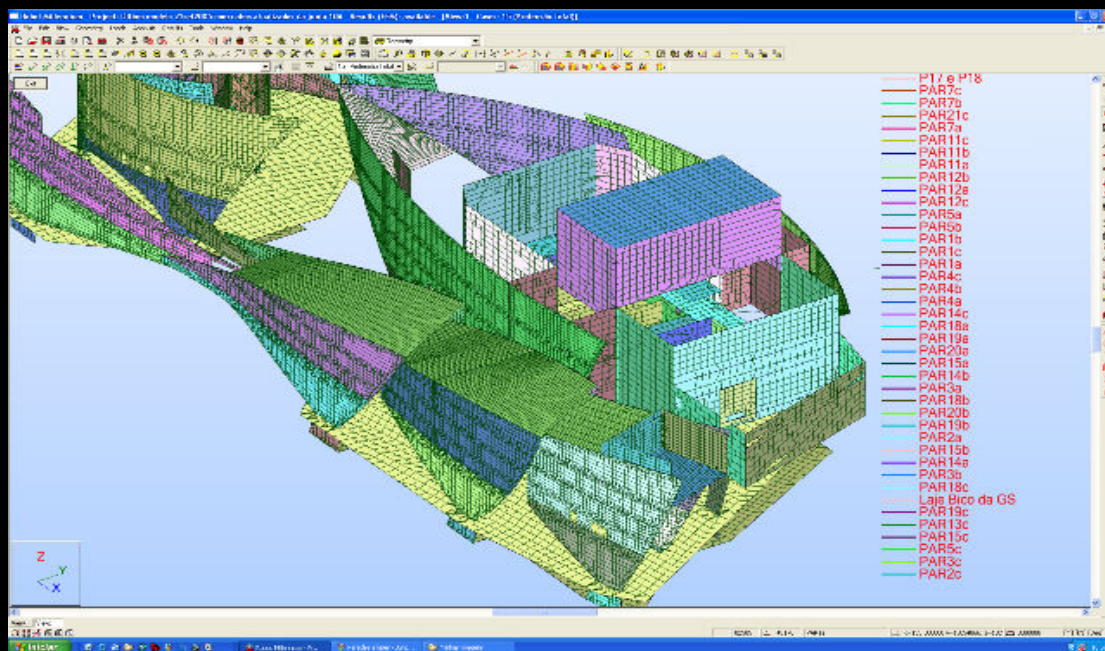
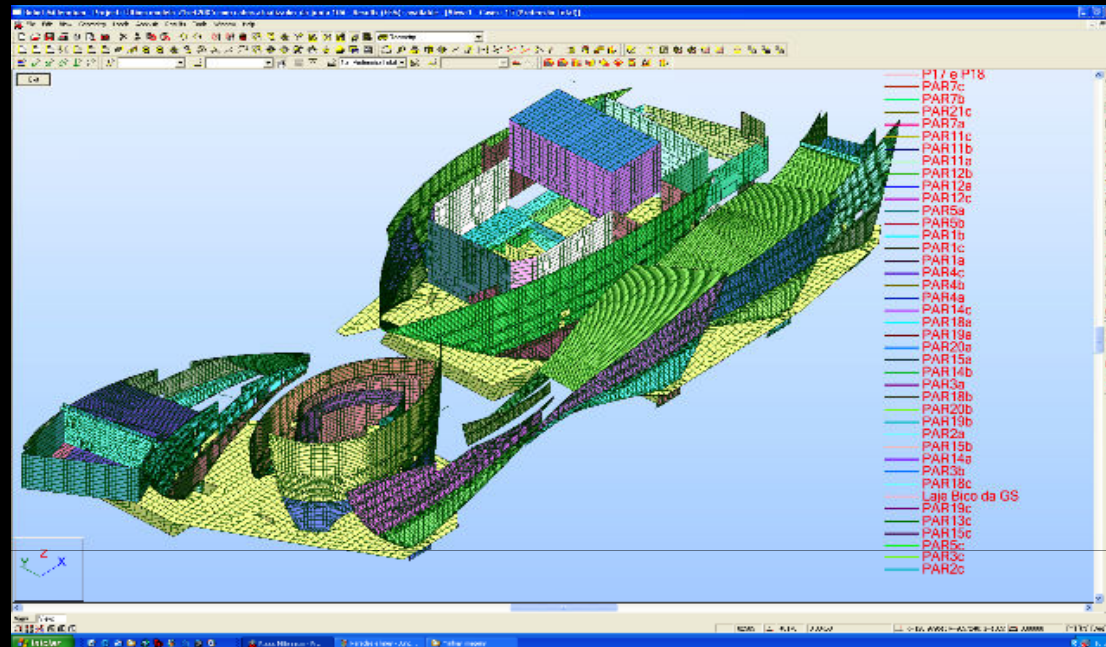
DETALHE TRECHO A NIVEL + 30.00



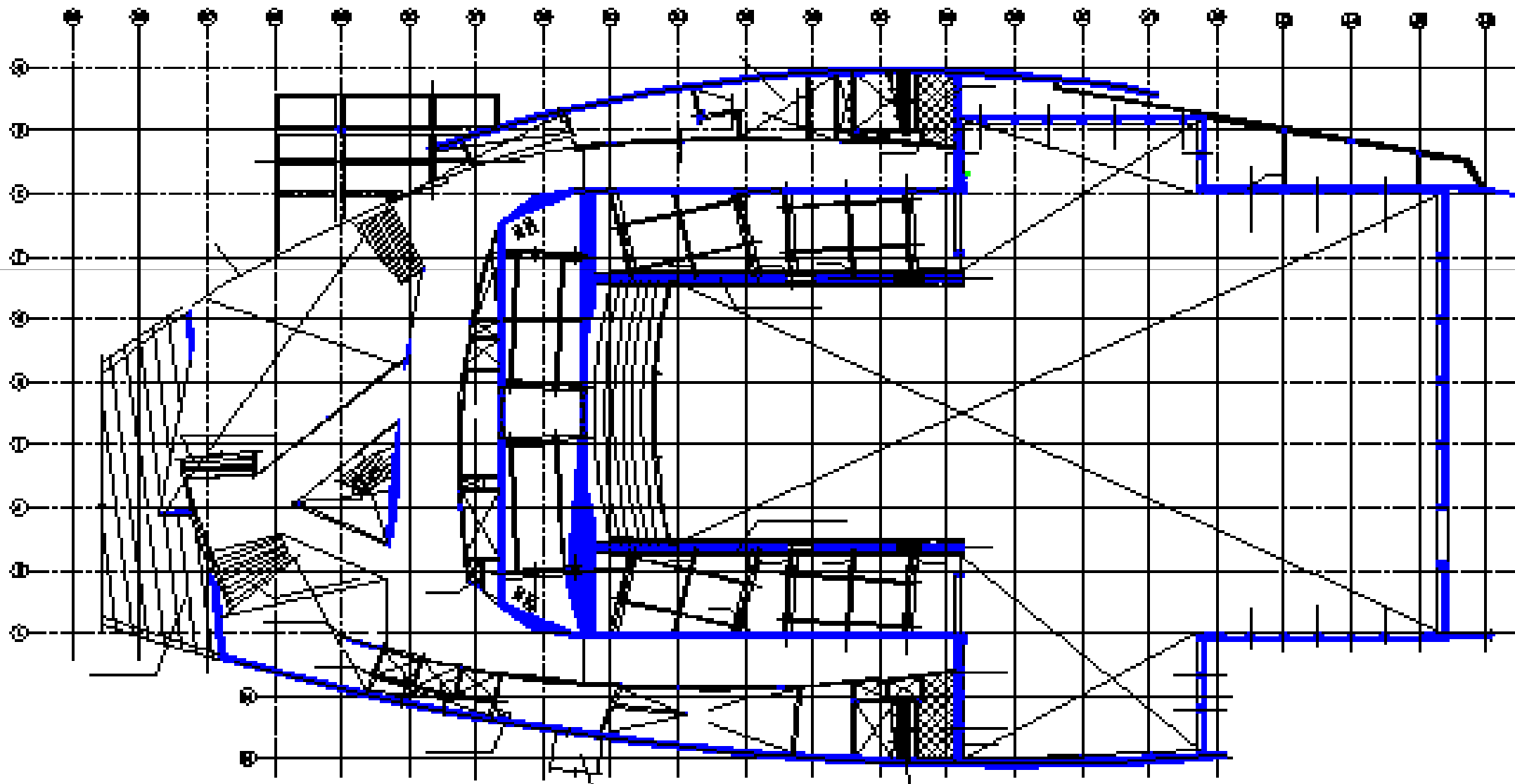
DETALHE TRECHO A NIVEL + 30.00



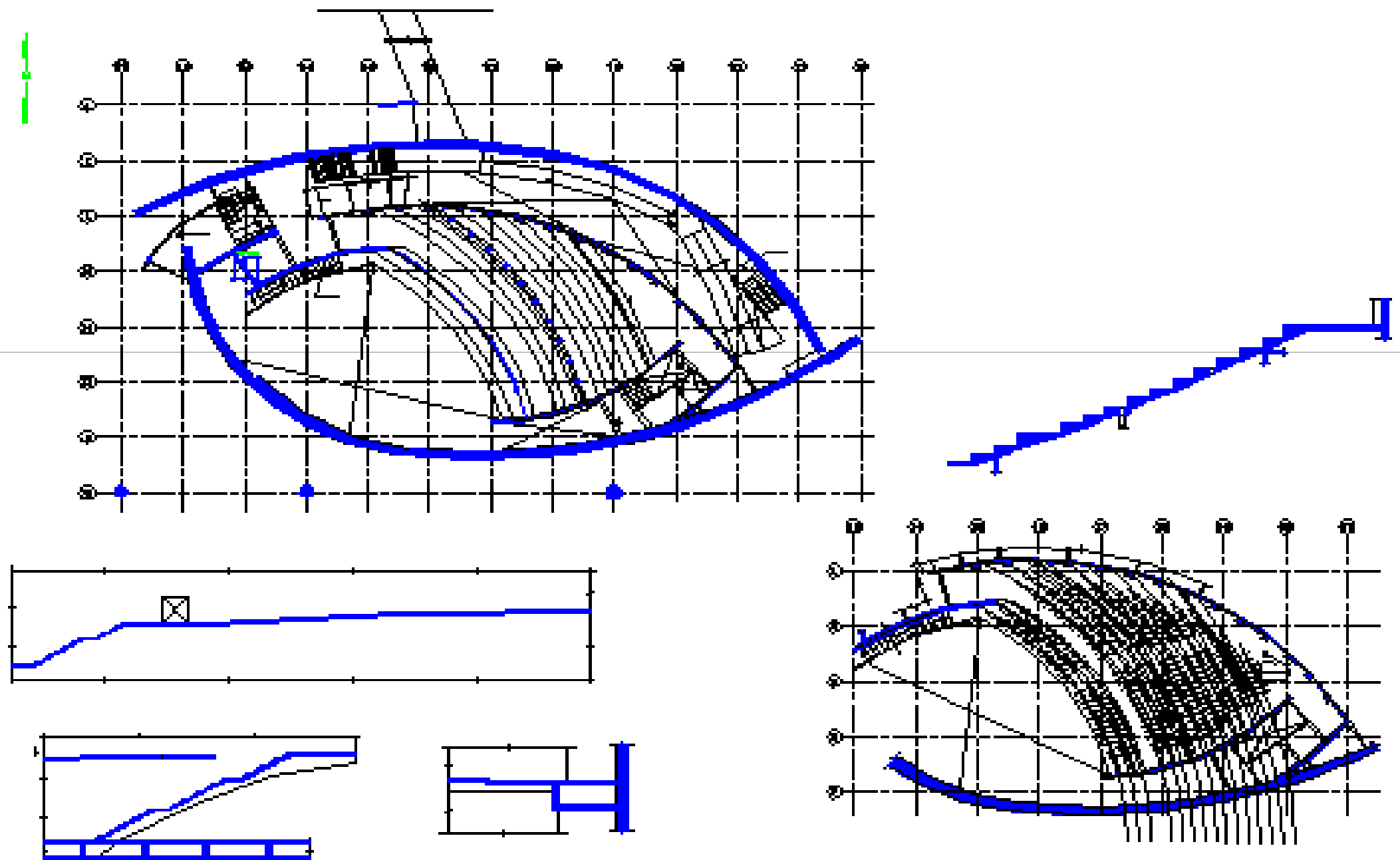
VISTA GERAL DA LAJE + 9.97



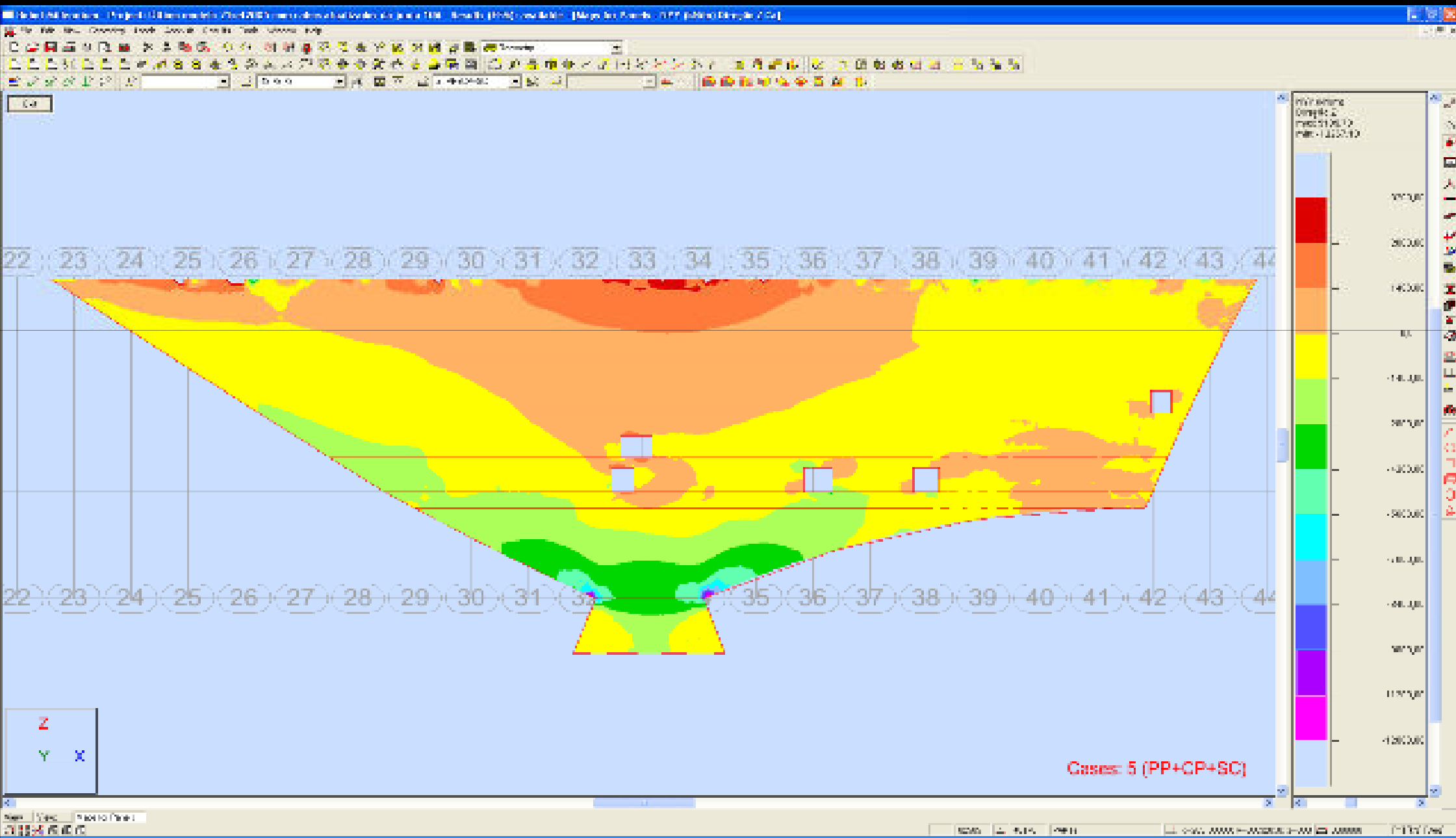
DETALHE TEATRO GRANDE



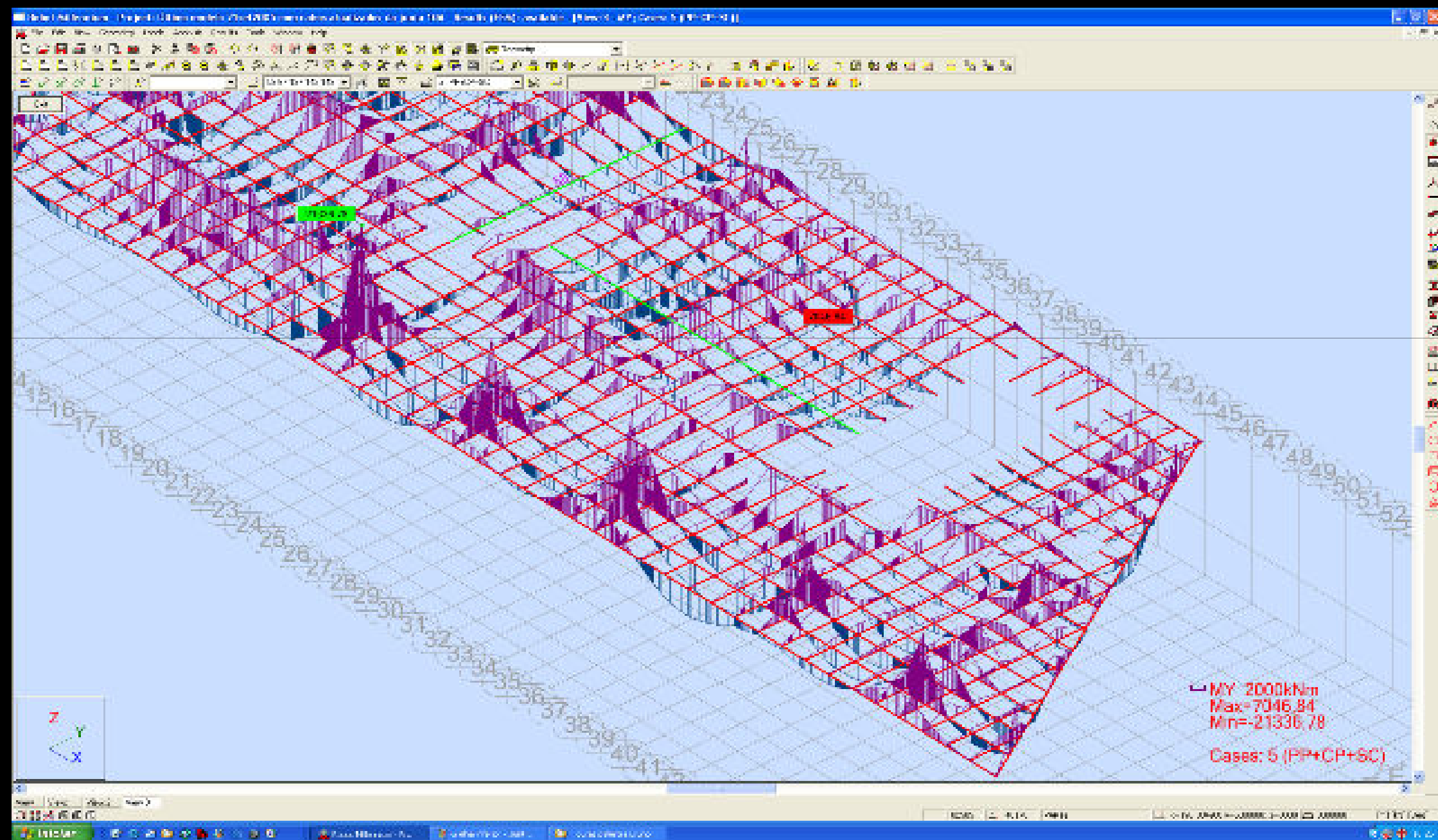
DETALHE TEATRO PEQUENO

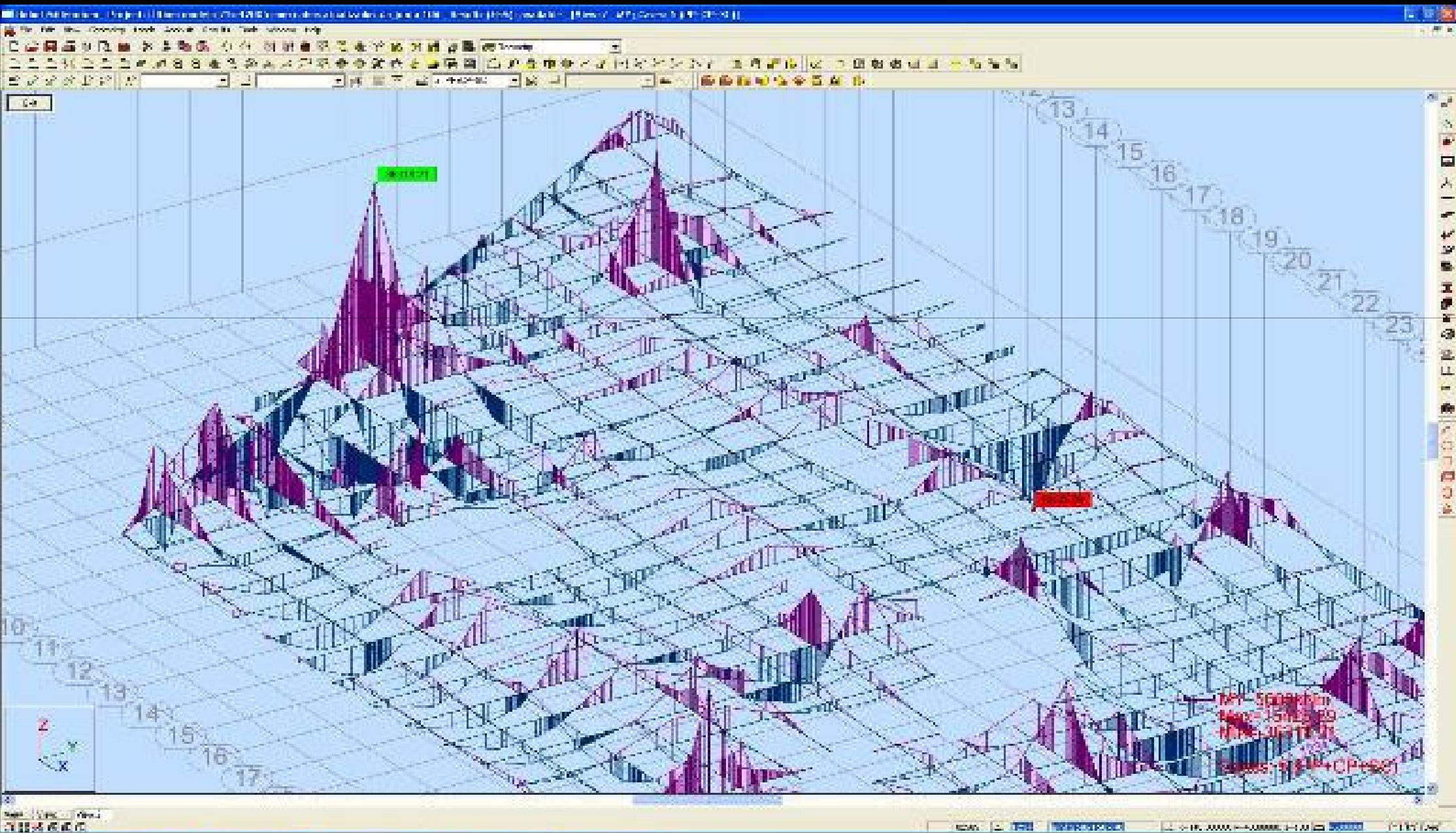


DIAGRAMAS DE MOMENTOS



GRELHA + 10.00 - ROBOT



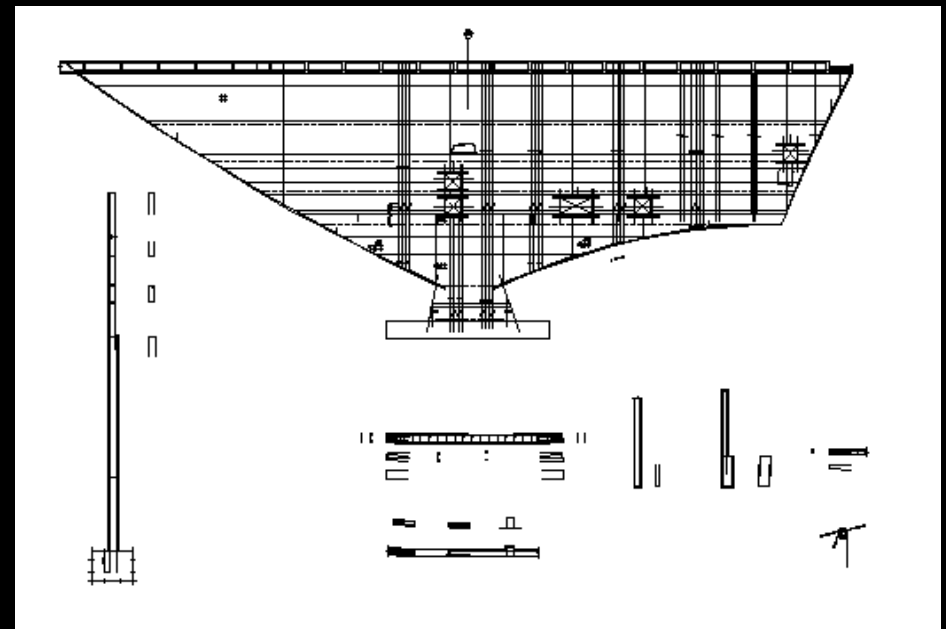
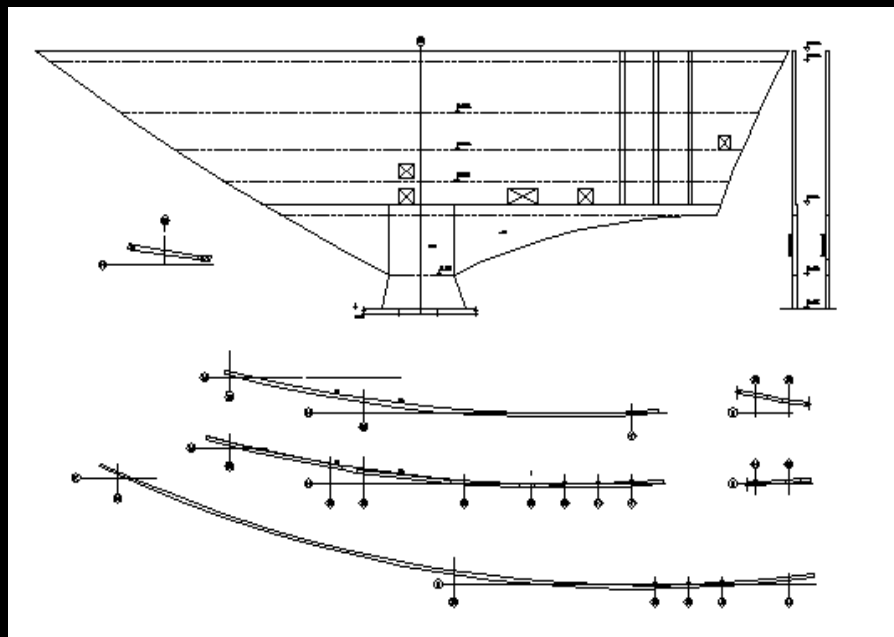
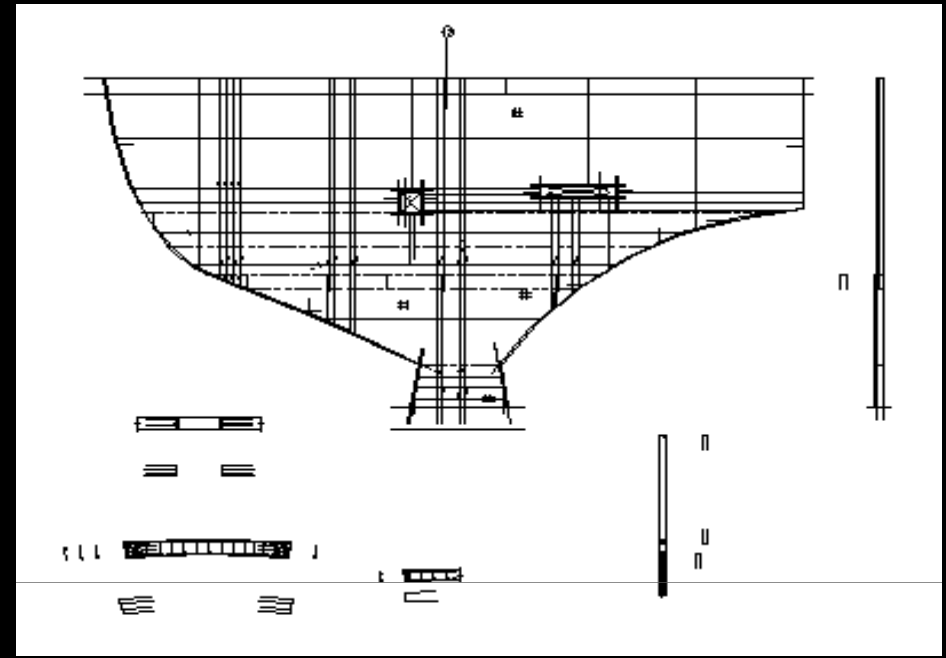
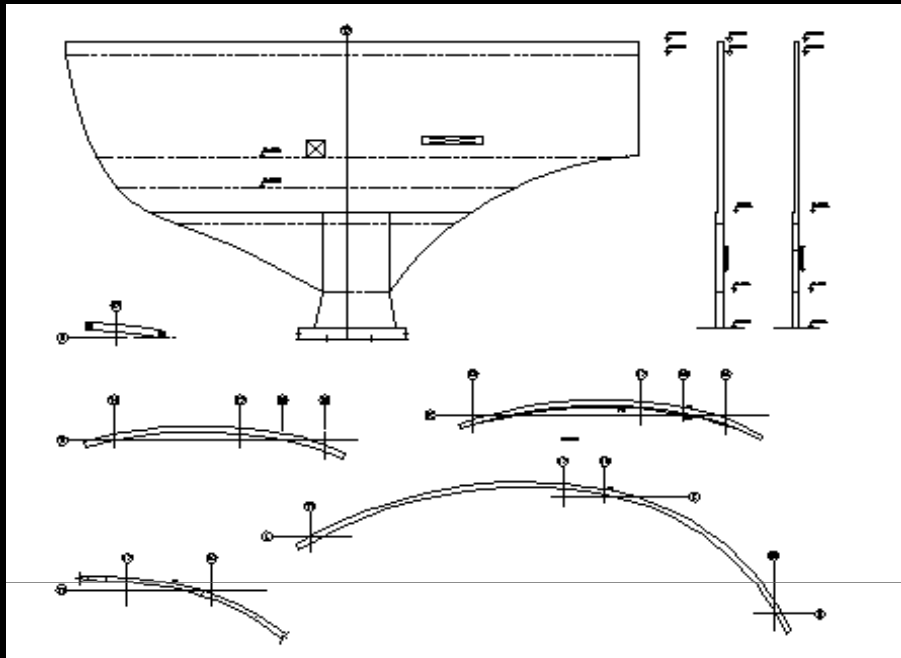


DIAGRA DE MOMENTOS

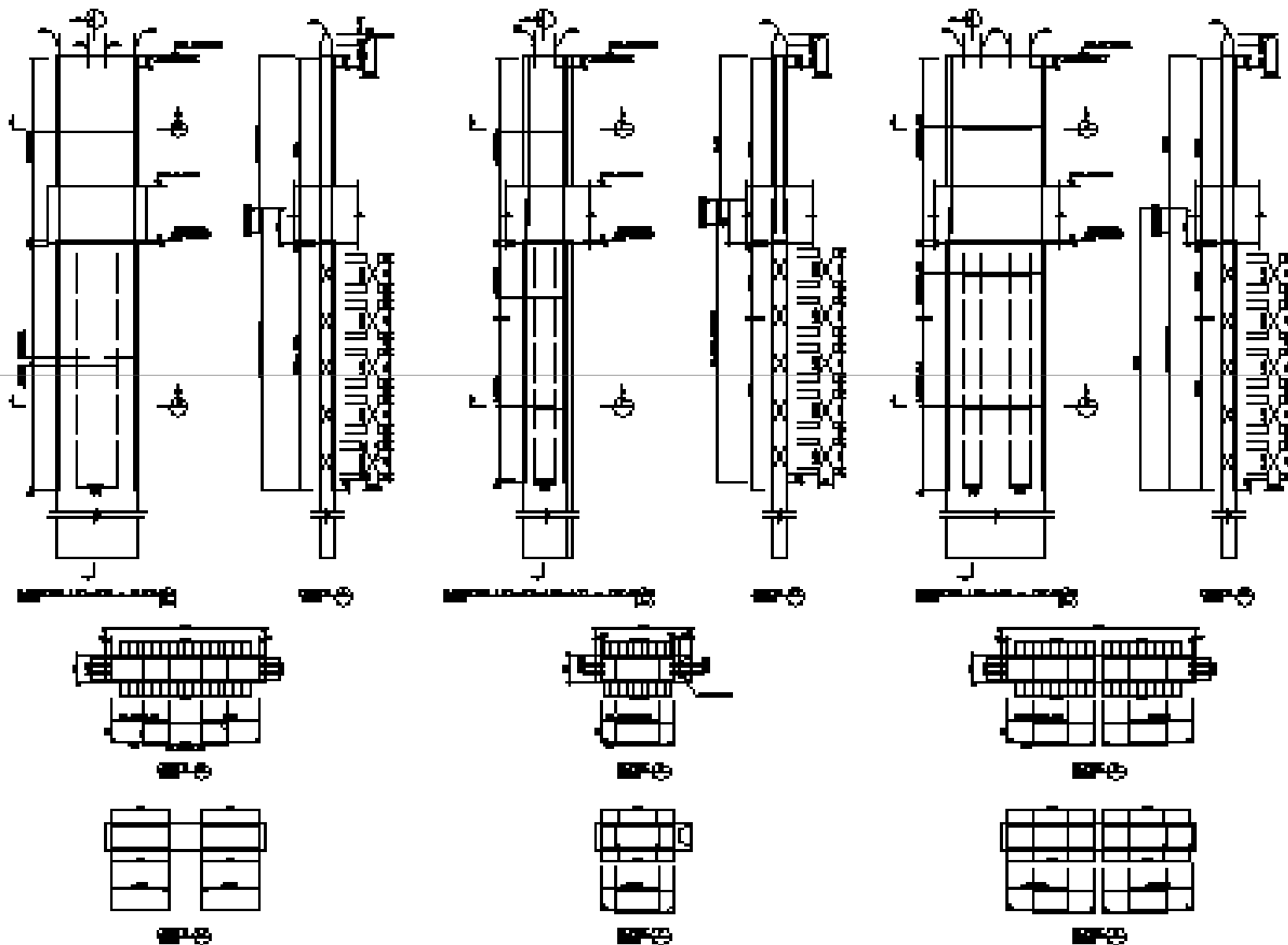




FORMAS E ARMAÇÕES DE PAREDES



PAREDE 11A COM BARRETES







Fevereiro de 2005



Março de 2005



Maio de 2005



Maio de 2005



Fundações







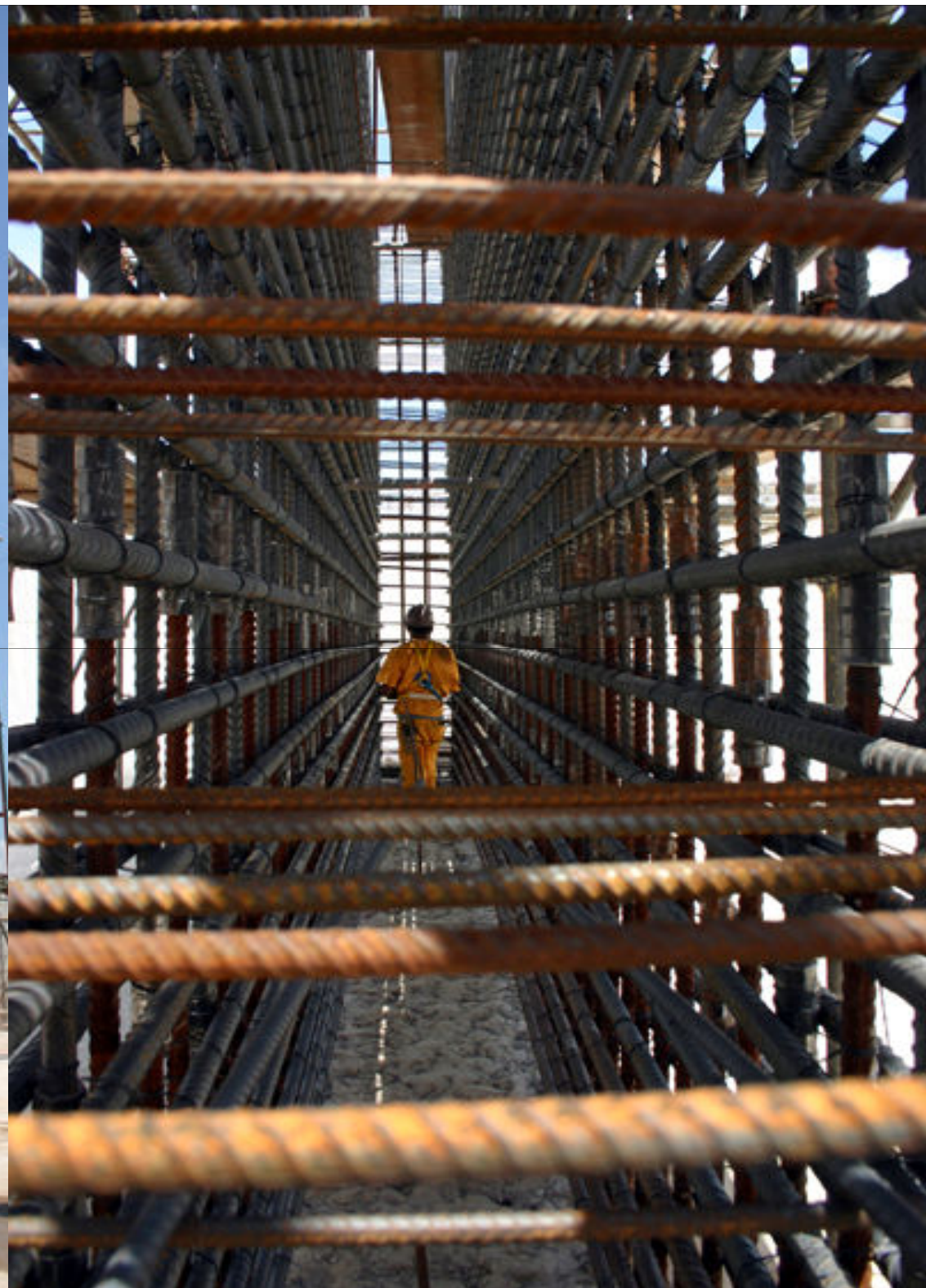


Protótipos





As bases das paredes





O Subsolo



Os Shafts de Instalações

















Obrigado!

bceng@veloxmail.com.br

Bom dia!

