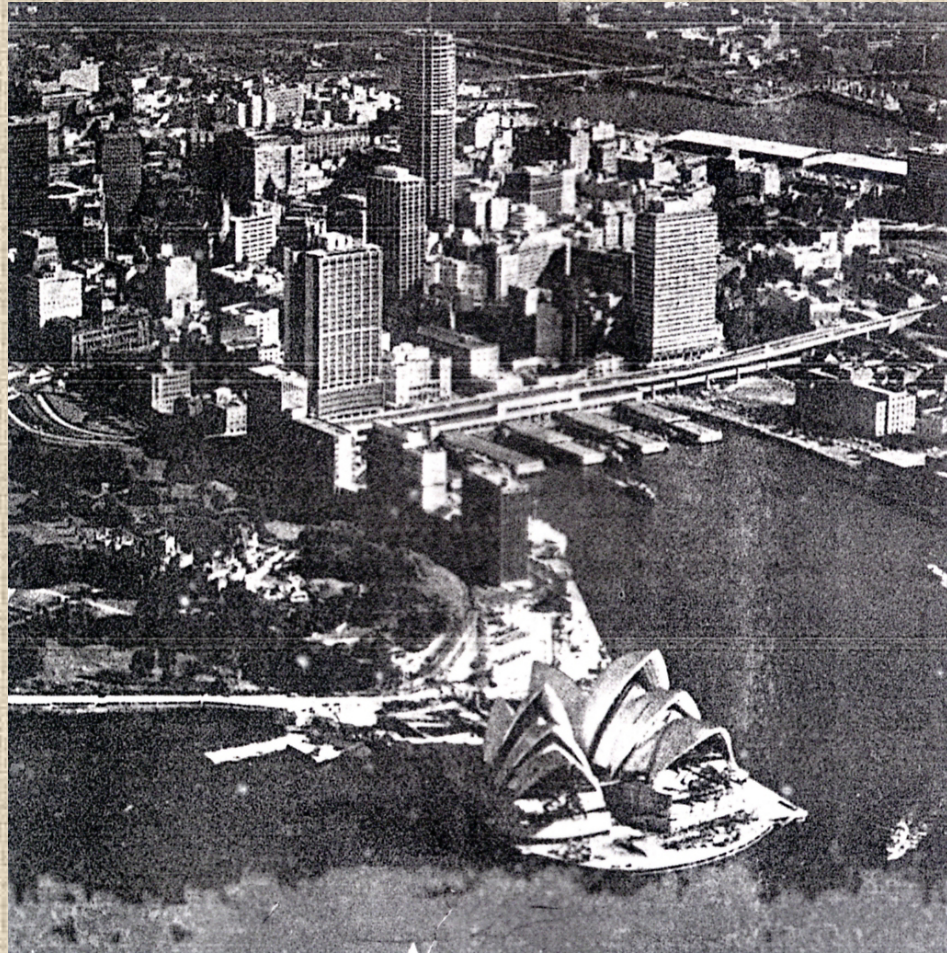
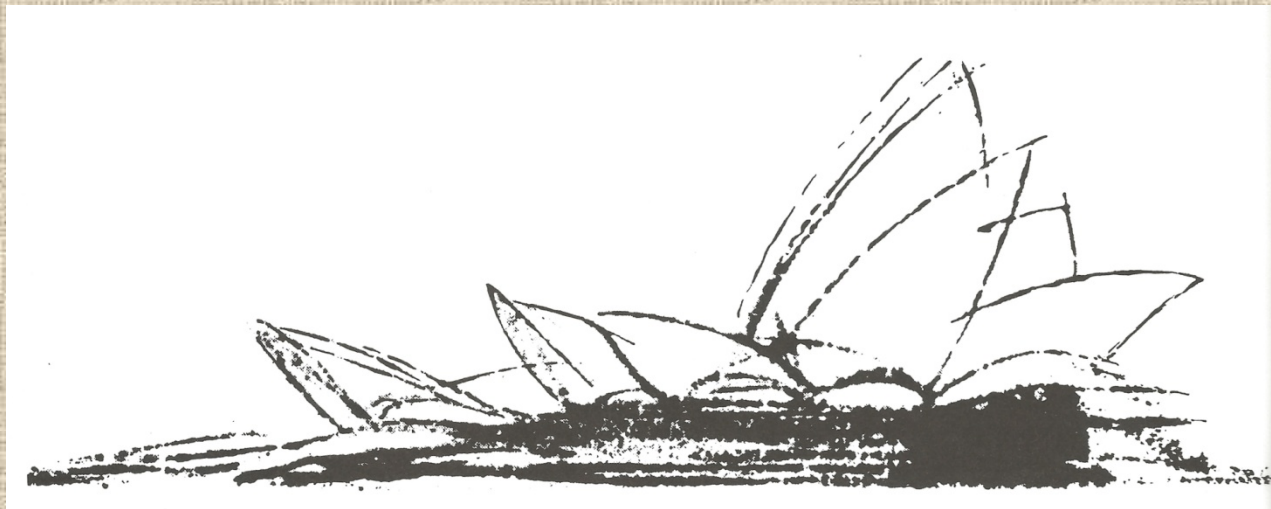


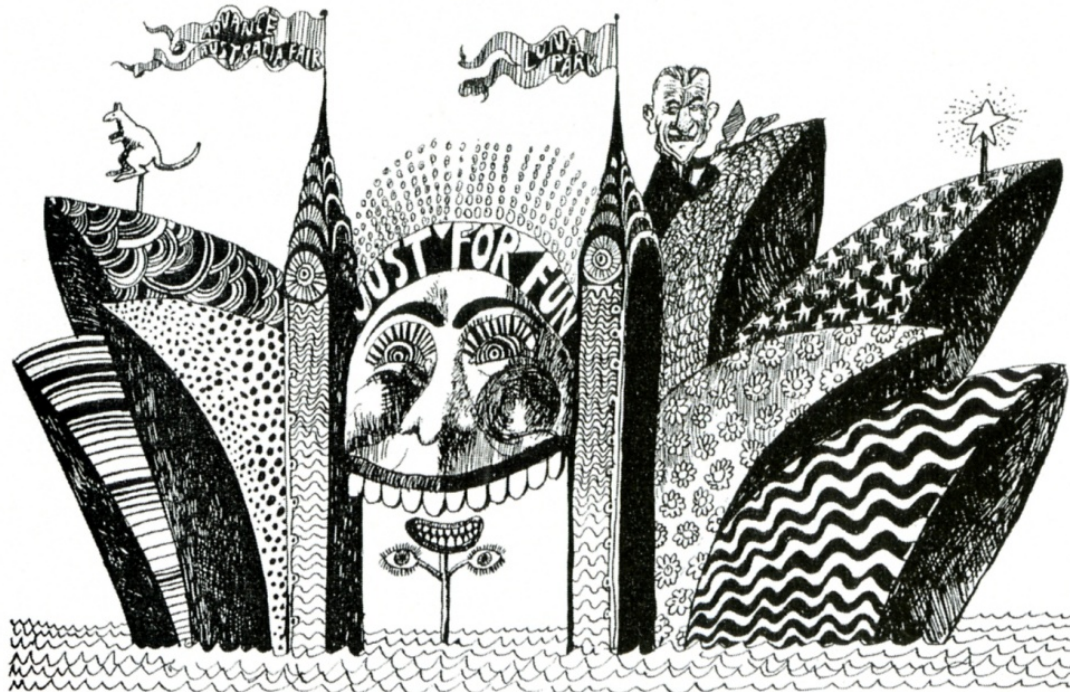
# Jørn Utzon



Sydney Opera House  
1957-73

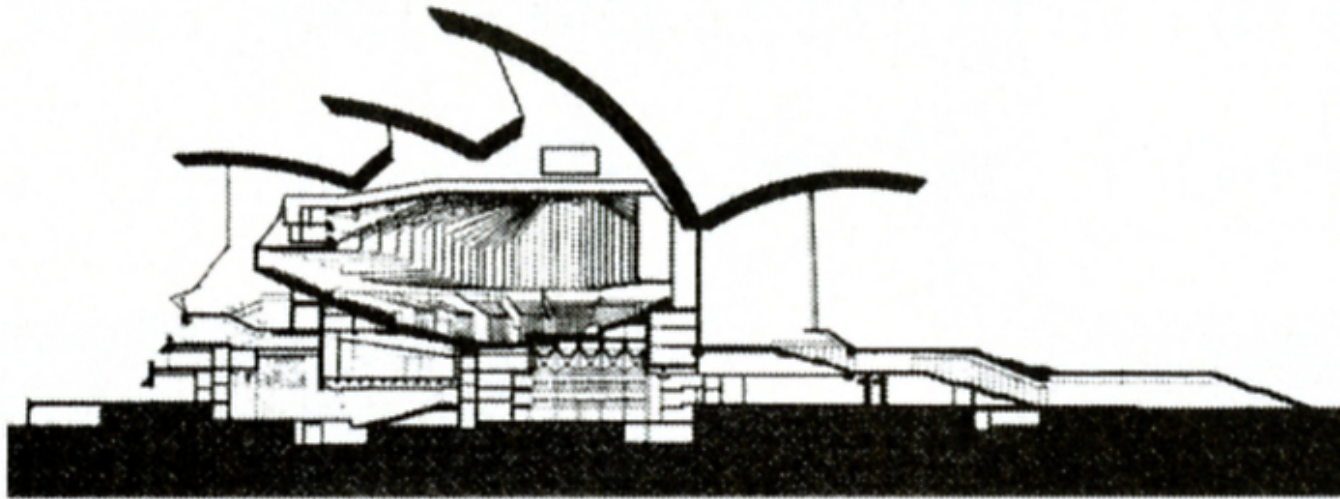
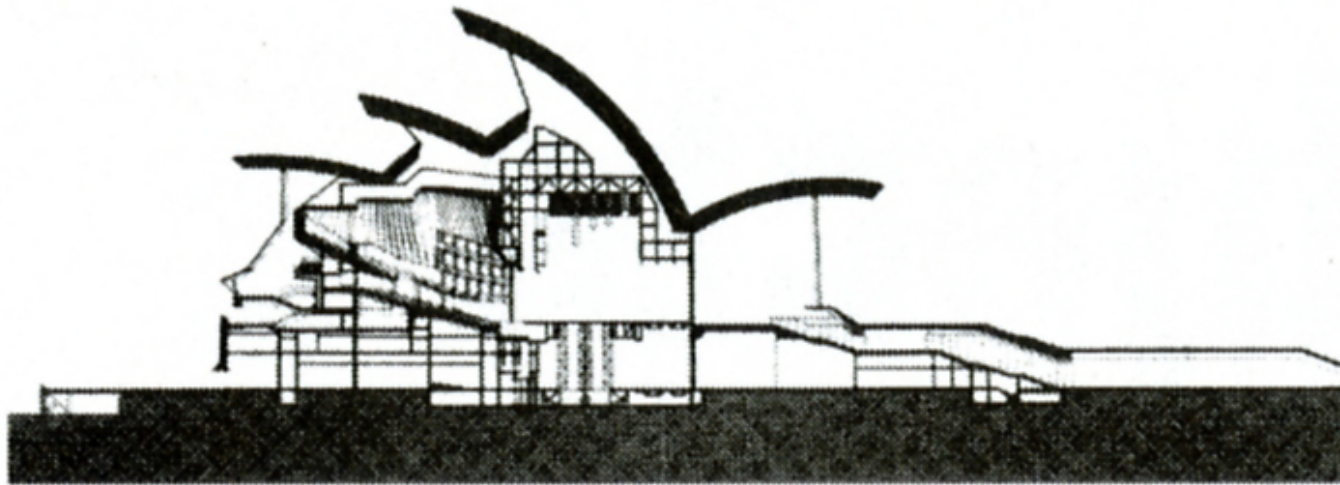




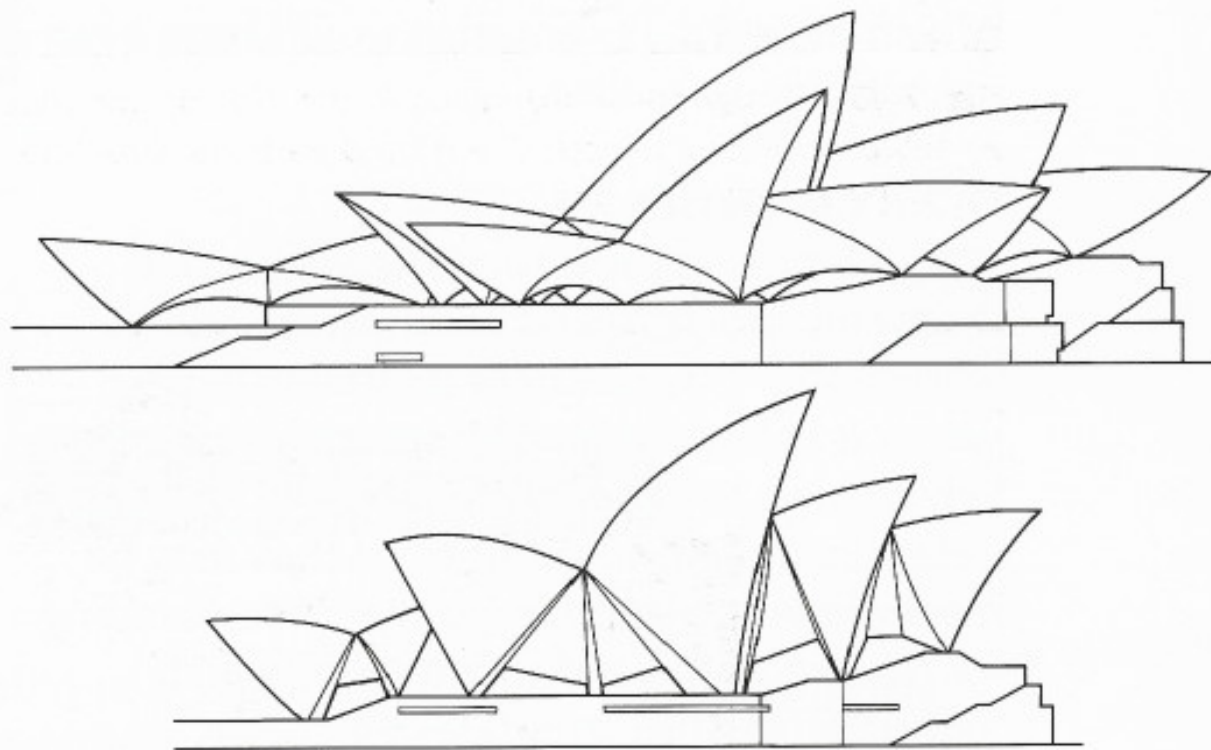


*MR DAVIS-HUGHES IS SEEN HERE ENCRUSTING ONE OF THE CENTRAL SAILS WITH OYSTER SHELLS*

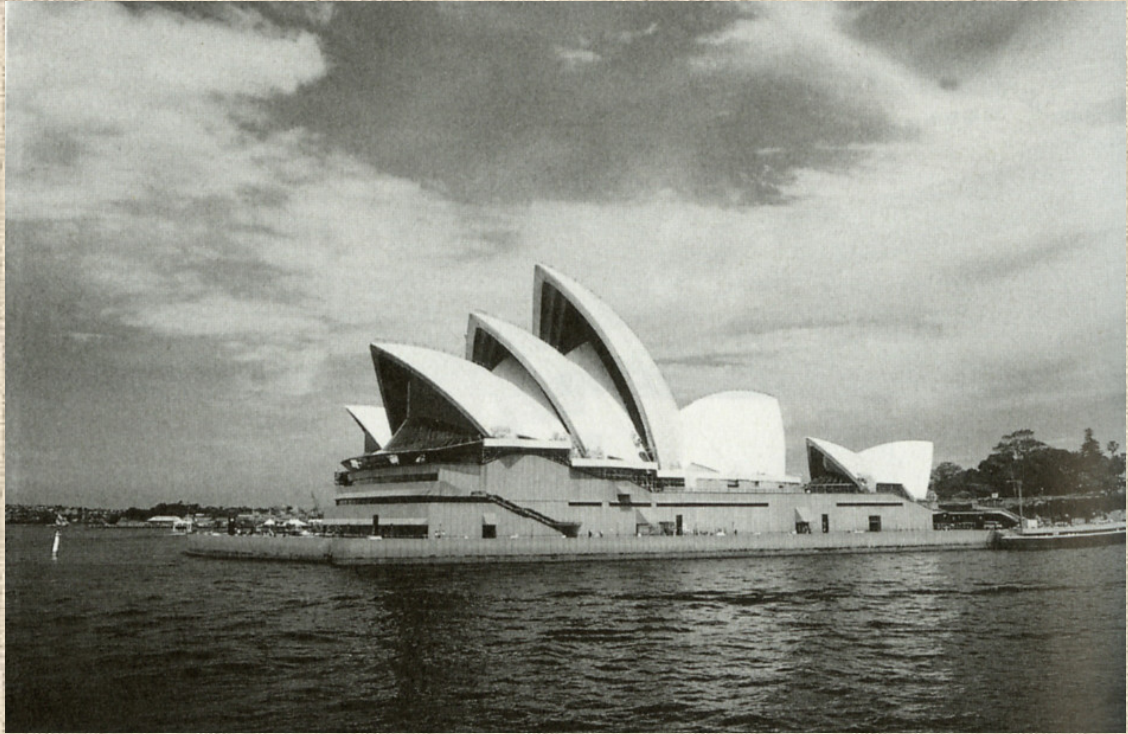
**Martin Sharp's caricature of Davis Hughes, boasting of having forced Utzon to resign**



**The Sydney Opera House became a test bed for new technologies in construction**



**Fig. 7.46** Opera House, Sydney, Australia, 1957–65; Jorn Utzon, architect; Ove Arup & Partners, structural engineers. The upper drawing here shows the original competition-winning proposal for the building which proved impossible to build. The final scheme, though technically ingenious, is considered by many to be much less satisfactory visually. The significant difference between this and the buildings in Figs 7.41 to 7.45 is one of scale.

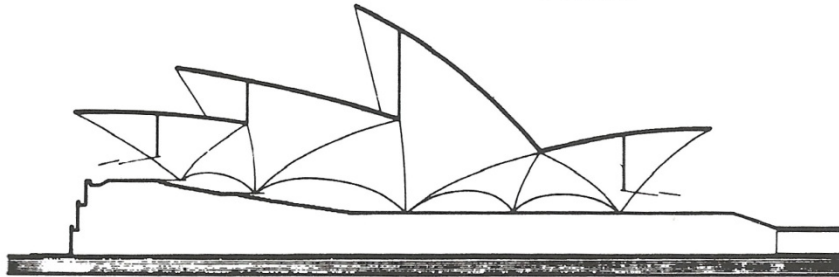


# Evoluzione del progetto della Struttura portante e spaziale

A

COMPETITION SCHEME  
FREE HAND  
SINGLE SKIN R.C. SHELL  
TAKEN FROM COMPETITION DRAWING  
BY JØRN UTZON

1957

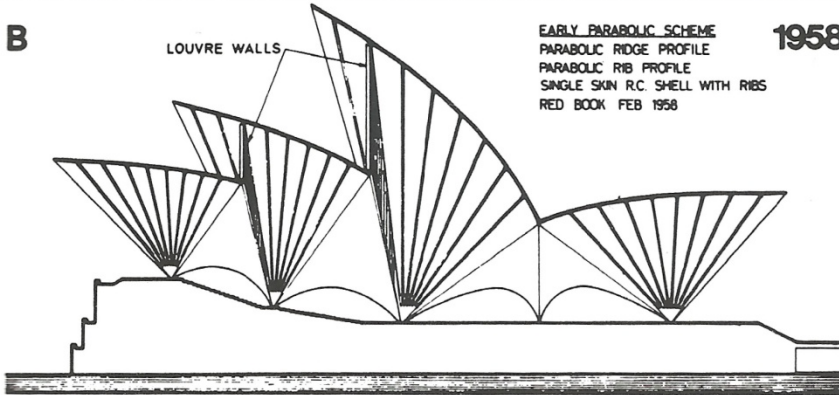


B

LOUVRE WALLS

EARLY PARABOLIC SCHEME  
PARABOLIC RIDGE PROFILE  
PARABOLIC RIB PROFILE  
SINGLE SKIN R.C. SHELL WITH RIBS  
RED BOOK FEB 1958

1958

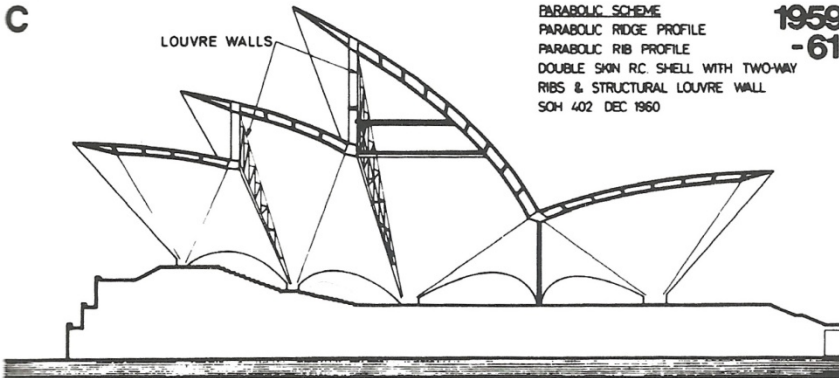


C

LOUVRE WALLS

PARABOLIC SCHEME  
PARABOLIC RIDGE PROFILE  
PARABOLIC RIB PROFILE  
DOUBLE SKIN R.C. SHELL WITH TWO-WAY  
RIBS & STRUCTURAL LOUVRE WALL  
SOH 402 DEC 1960

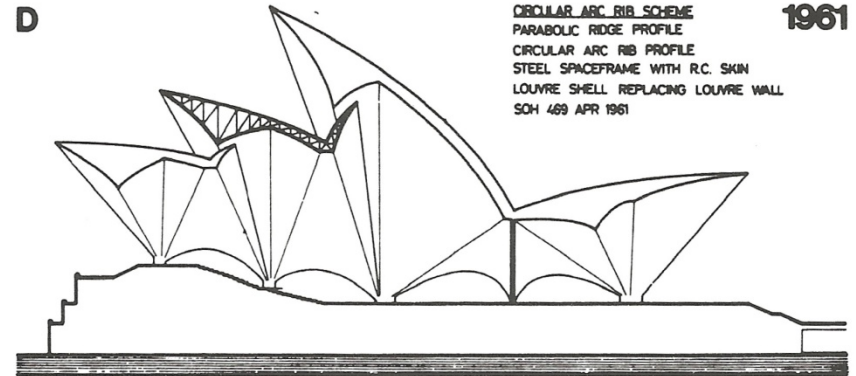
1959  
-61



D

CIRCULAR ARC RIB SCHEME  
PARABOLIC RIDGE PROFILE  
CIRCULAR ARC RIB PROFILE  
STEEL SPACEFRAME WITH R.C. SKIN  
LOUVRE SHELL REPLACING LOUVRE WALL  
SOH 469 APR 1961

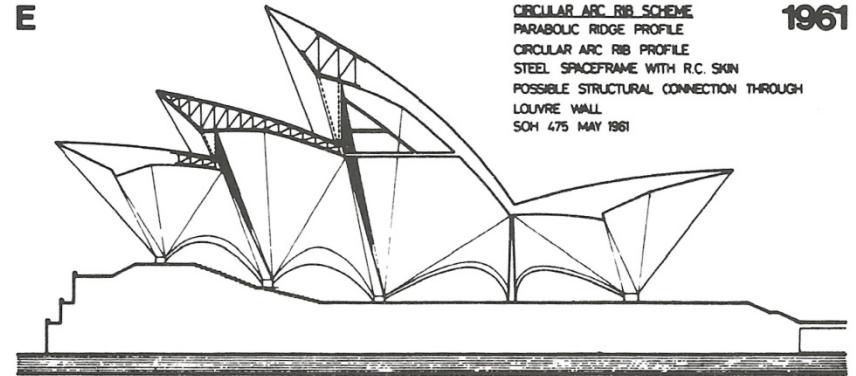
1961



E

CIRCULAR ARC RIB SCHEME  
PARABOLIC RIDGE PROFILE  
CIRCULAR ARC RIB PROFILE  
STEEL SPACEFRAME WITH R.C. SKIN  
POSSIBLE STRUCTURAL CONNECTION THROUGH  
LOUVRE WALL  
SOH 475 MAY 1961

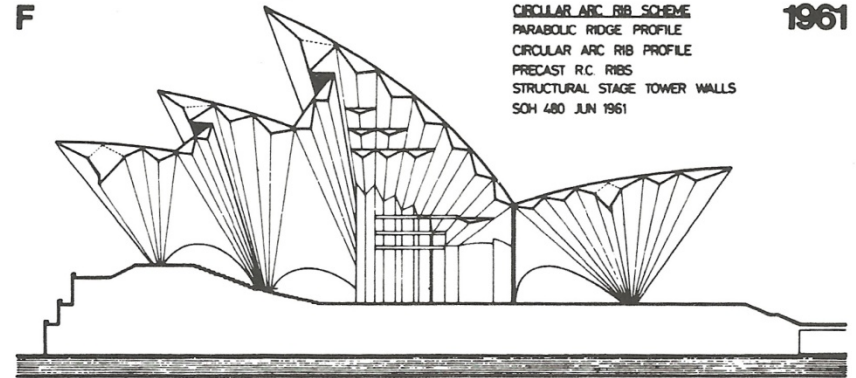
1961



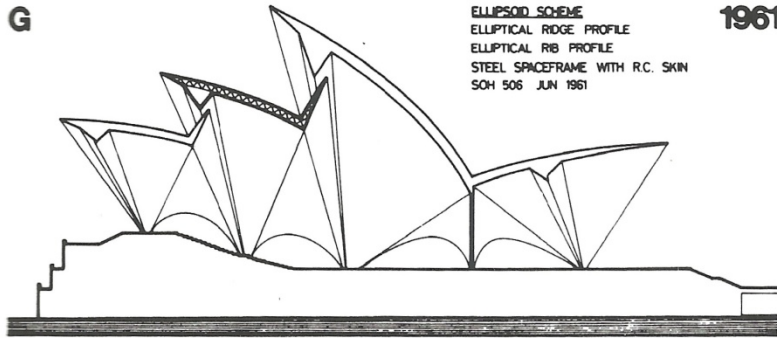
F

CIRCULAR ARC RIB SCHEME  
PARABOLIC RIDGE PROFILE  
CIRCULAR ARC RIB PROFILE  
PRECAST R.C. RIBS  
STRUCTURAL STAGE TOWER WALLS  
SOH 480 JUN 1961

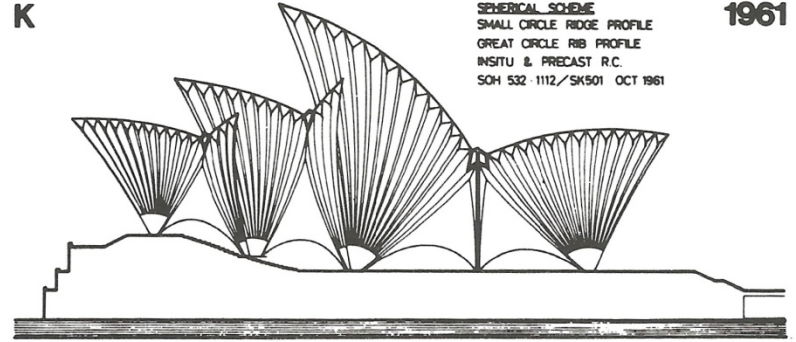
1961



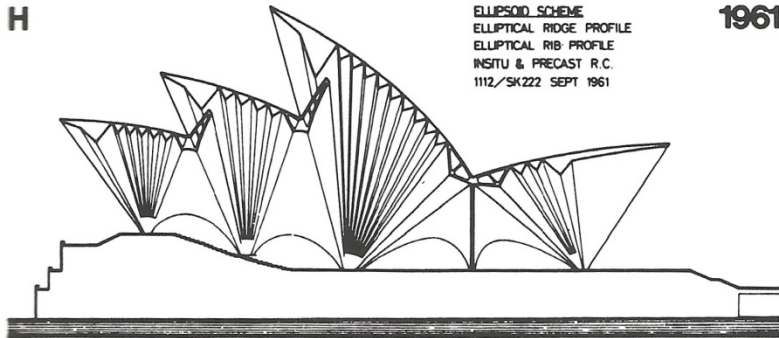


**G**

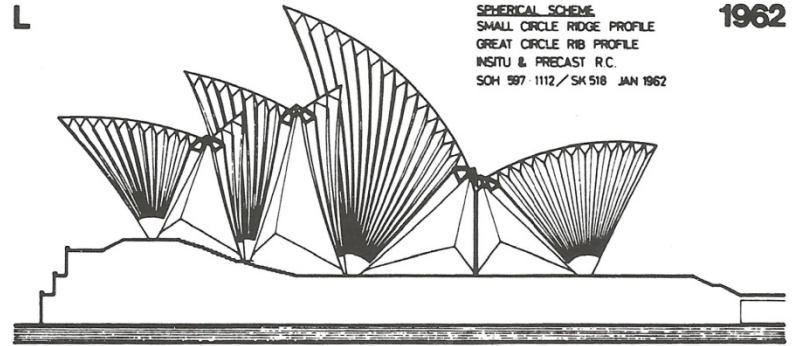
ELLIPSOID SCHEME  
 ELLIPTICAL RIDGE PROFILE  
 ELLIPTICAL RIB PROFILE  
 STEEL SPACEFRAME WITH R.C. SKIN  
 SOH 506 JUN 1961

**1961****K**

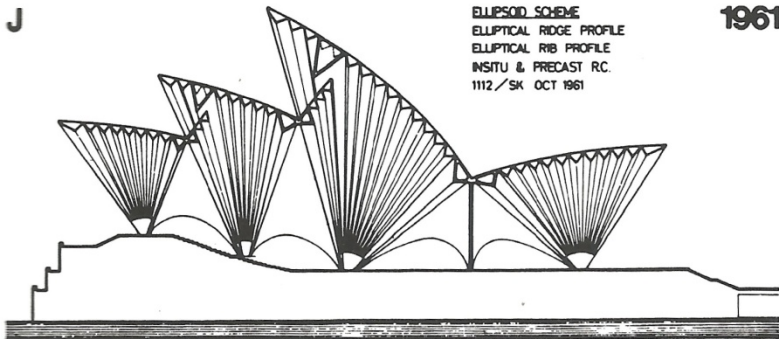
SPHERICAL SCHEME  
 SMALL CIRCLE RIDGE PROFILE  
 GREAT CIRCLE RIB PROFILE  
 INSITU & PRECAST R.C.  
 SOH 532 1112/SK501 OCT 1961

**1961****H**

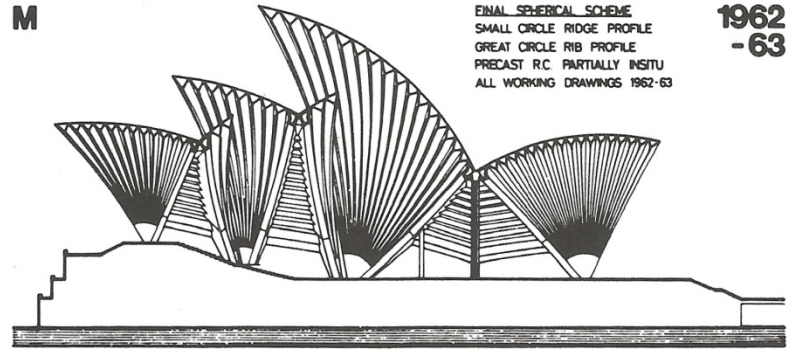
ELLIPSOID SCHEME  
 ELLIPTICAL RIDGE PROFILE  
 ELLIPTICAL RIB PROFILE  
 INSITU & PRECAST R.C.  
 1112/SK222 SEPT 1961

**1961****L**

SPHERICAL SCHEME  
 SMALL CIRCLE RIDGE PROFILE  
 GREAT CIRCLE RIB PROFILE  
 INSITU & PRECAST R.C.  
 SOH 597 1112/SK 518 JAN 1962

**1962****J**

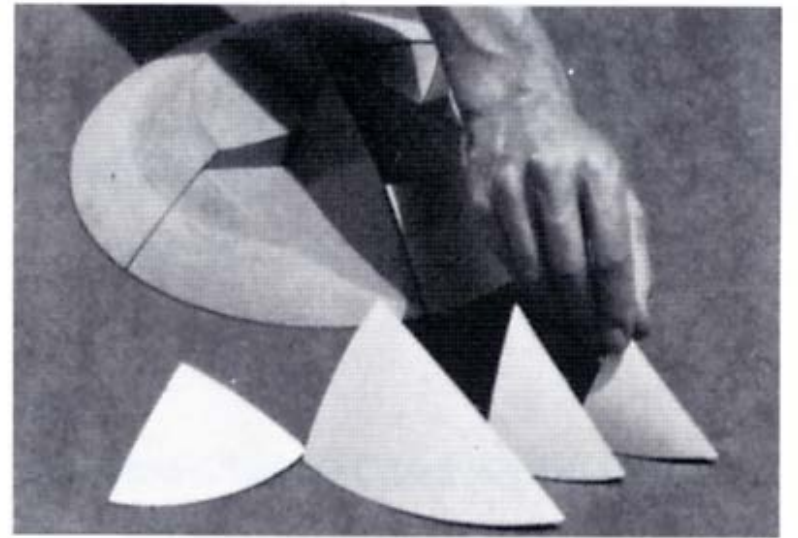
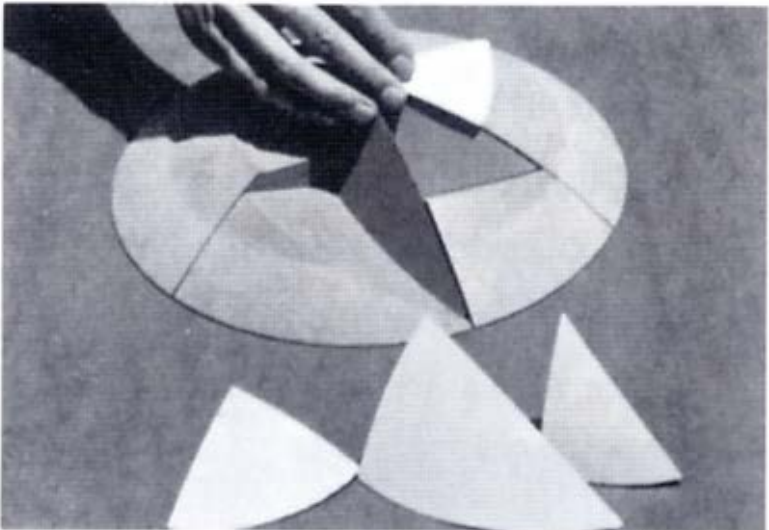
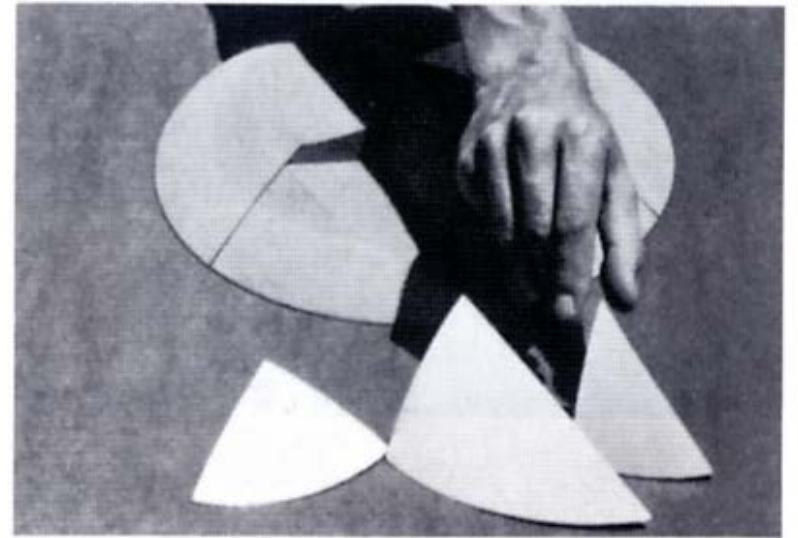
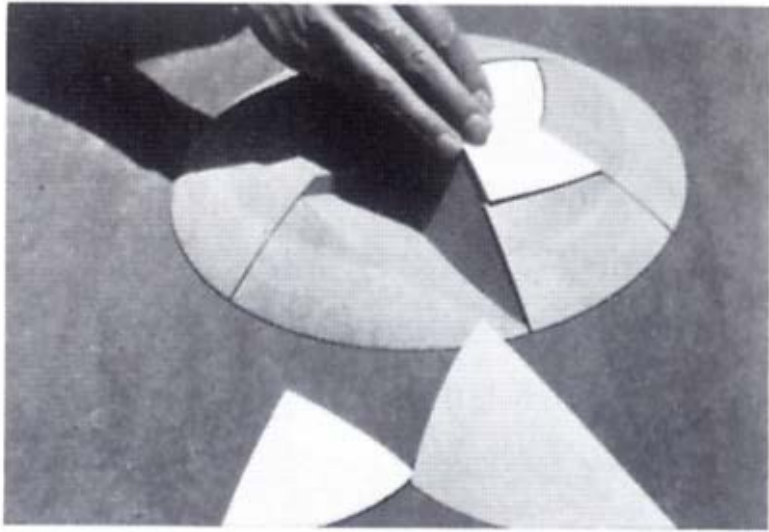
ELLIPSOID SCHEME  
 ELLIPTICAL RIDGE PROFILE  
 ELLIPTICAL RIB PROFILE  
 INSITU & PRECAST R.C.  
 1112/SK OCT 1961

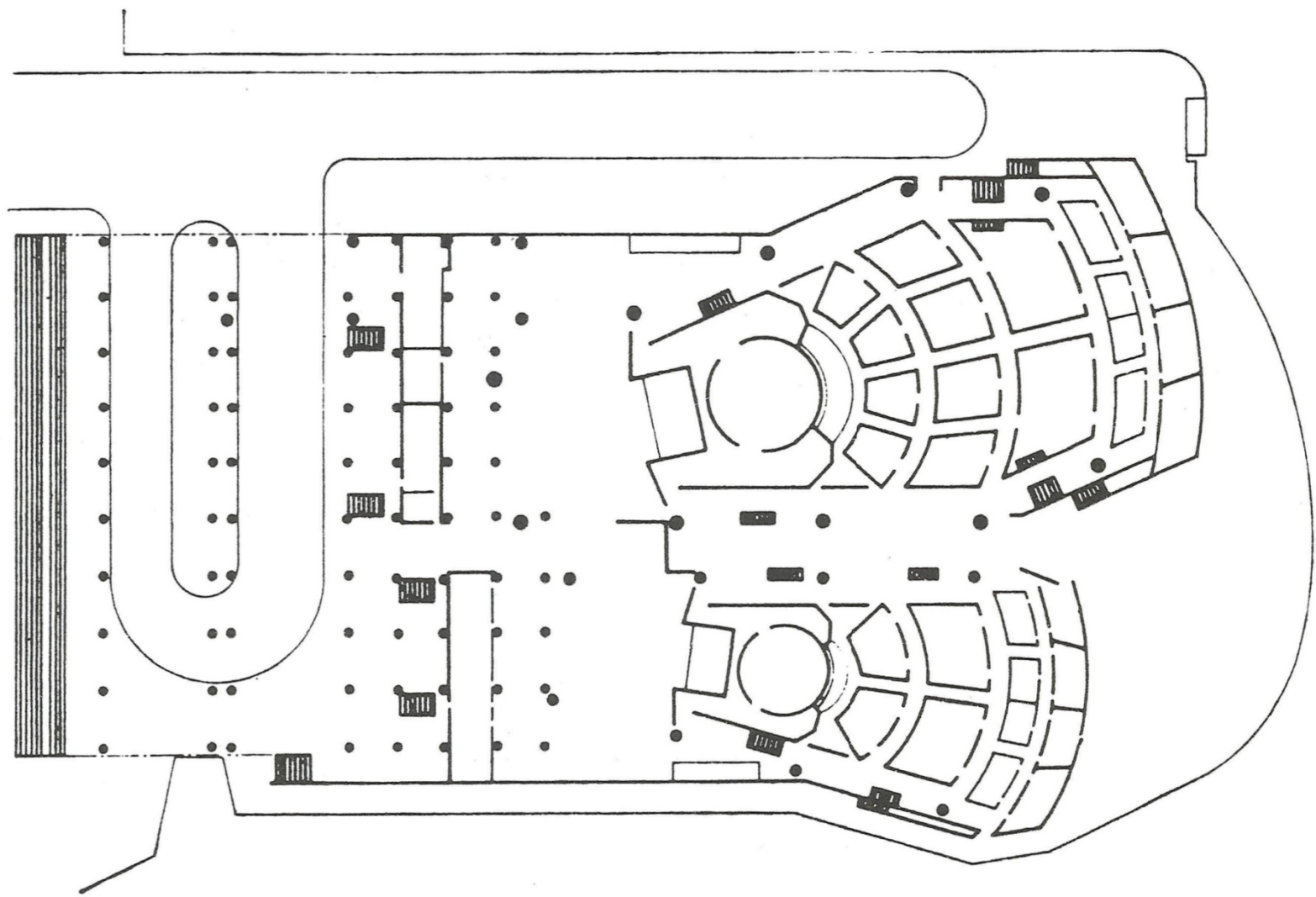
**1961****M**

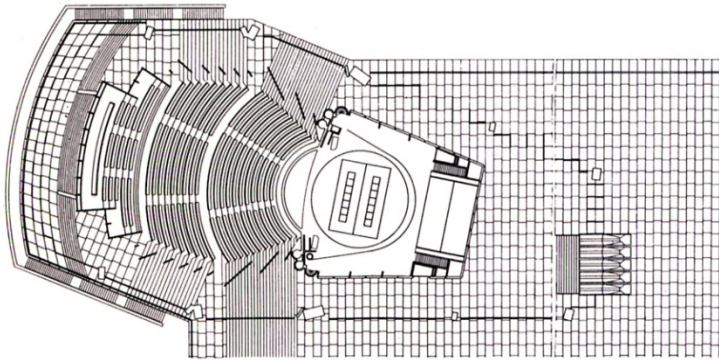
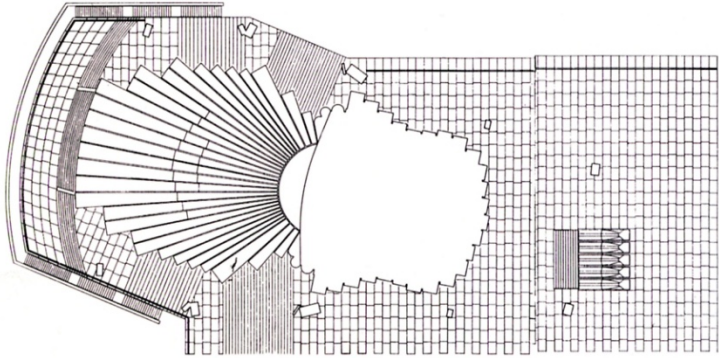
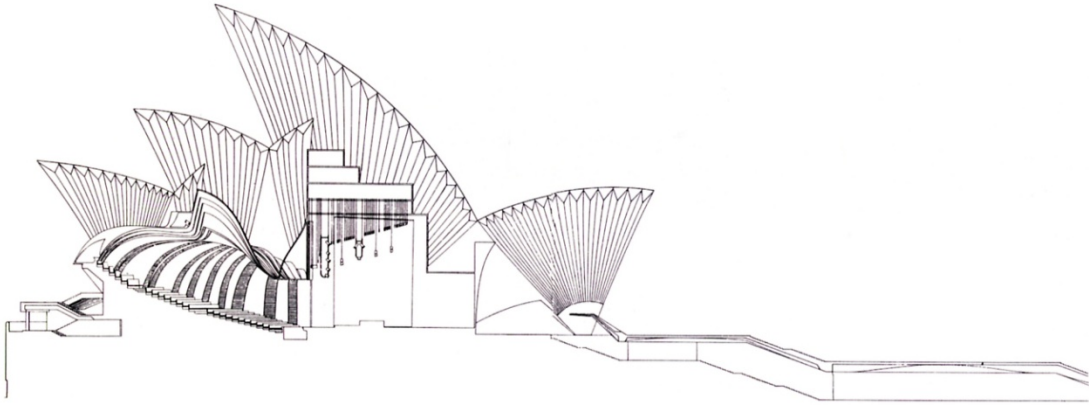
FINAL SPHERICAL SCHEME  
 SMALL CIRCLE RIDGE PROFILE  
 GREAT CIRCLE RIB PROFILE  
 PRECAST R.C. PARTIALLY INSITU  
 ALL WORKING DRAWINGS 1962-63

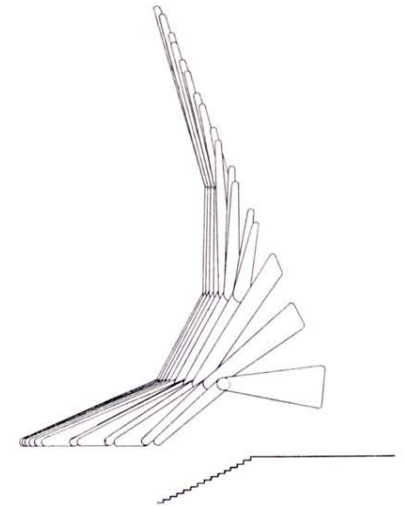
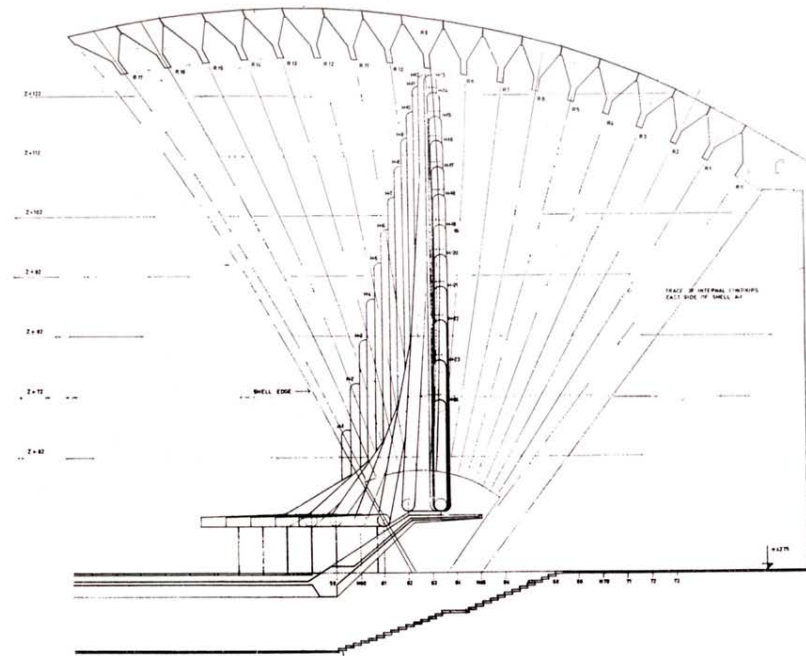
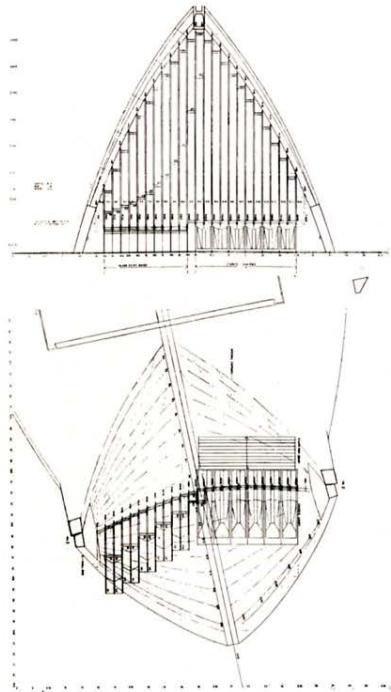
**1962  
-63**

Tutti gli elementi del guscio hanno forma derivata da un'unica sfera





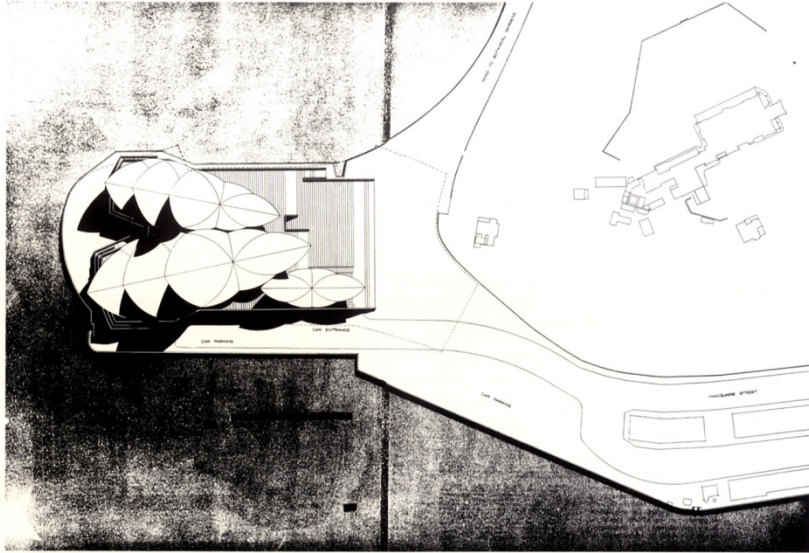




8.65  
 Jørn Utzon, Sydney Opera House, section showing system of plywood hangers carrying the curtain wall.

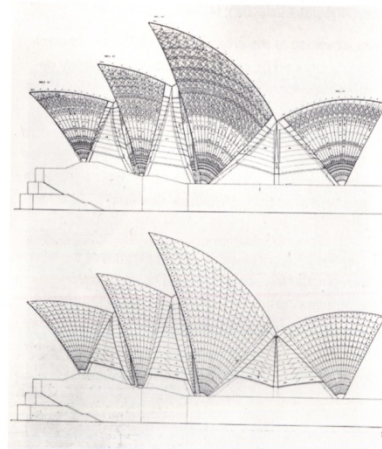
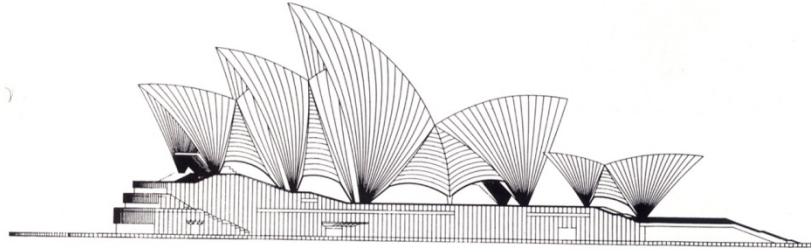
8.66  
 Jørn Utzon, Sydney Opera House. Top: elevation showing system of plywood hangers carrying the curtain wall. Bottom: plan showing geometrical intersection between entrance canopy and curtain wall hangars.

8.67  
 Jørn Utzon, Sydney Opera House, plywood mullions to the shells, showing varying curvature.



8.53  
Jørn Utzon, Sydney Opera House, 1957–  
1973. Site plan.

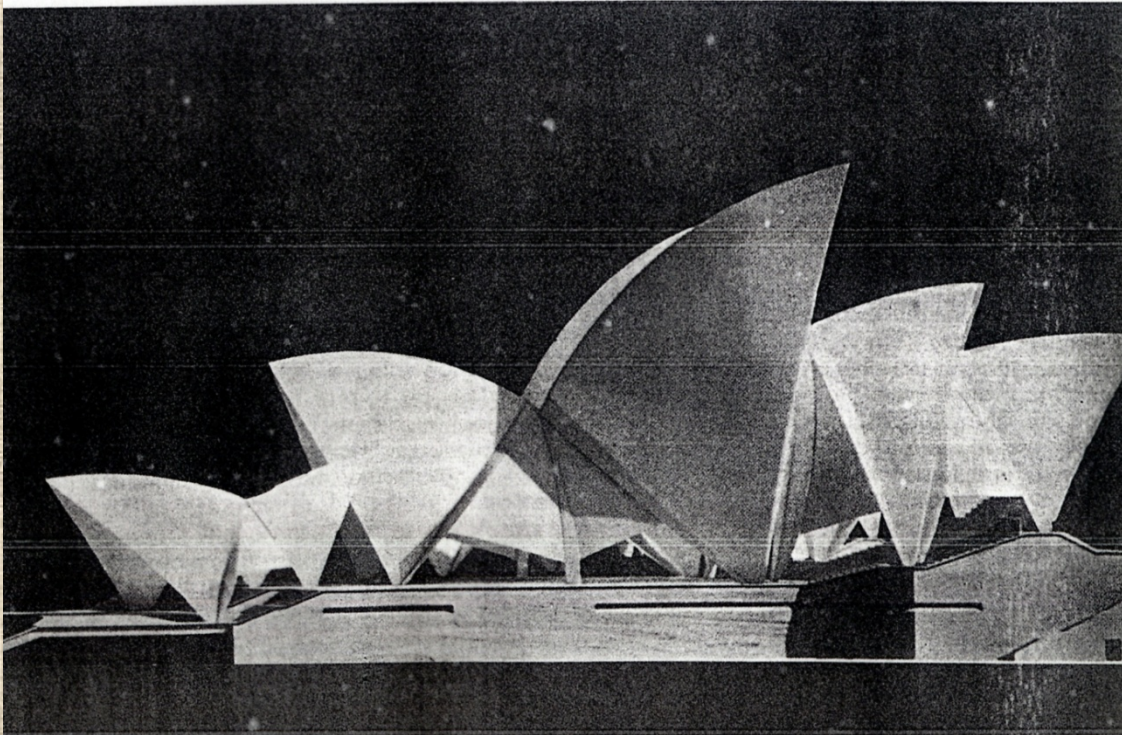
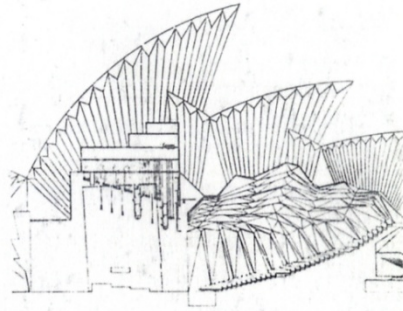
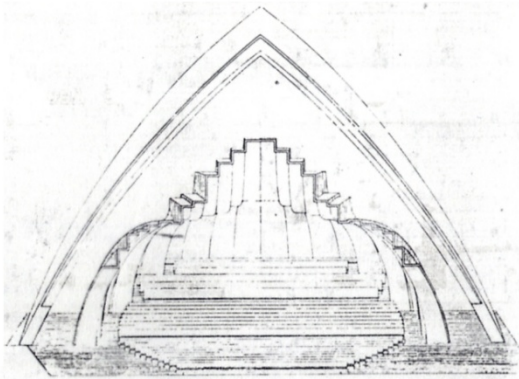
8.54  
Jørn Utzon, Sydney Opera House, view from  
the harbor with Sydney Harbour Bridge  
beyond.

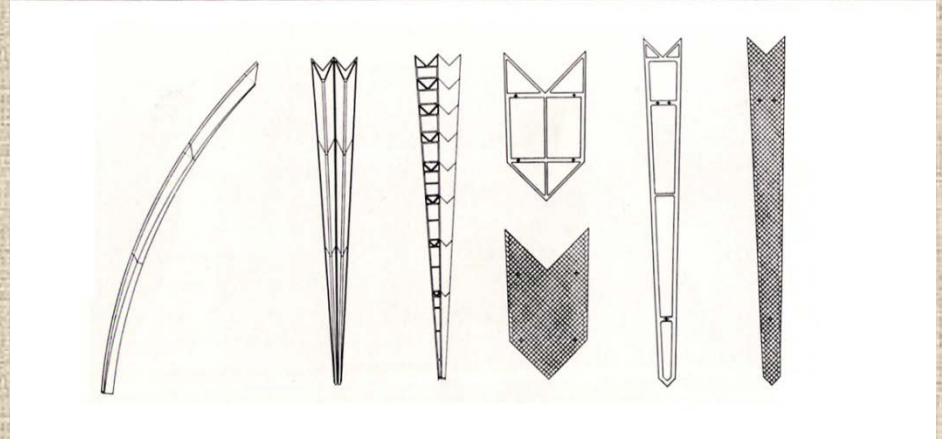
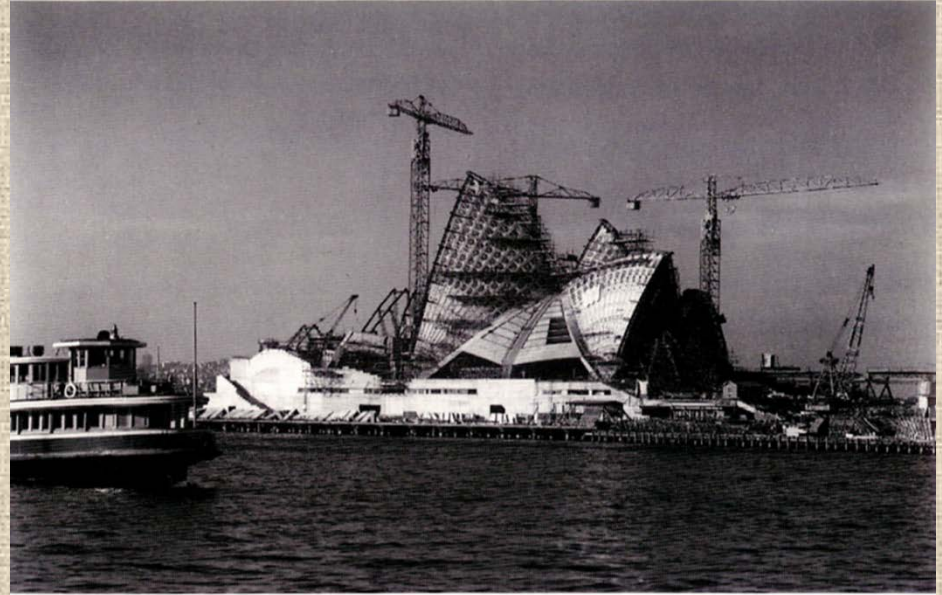
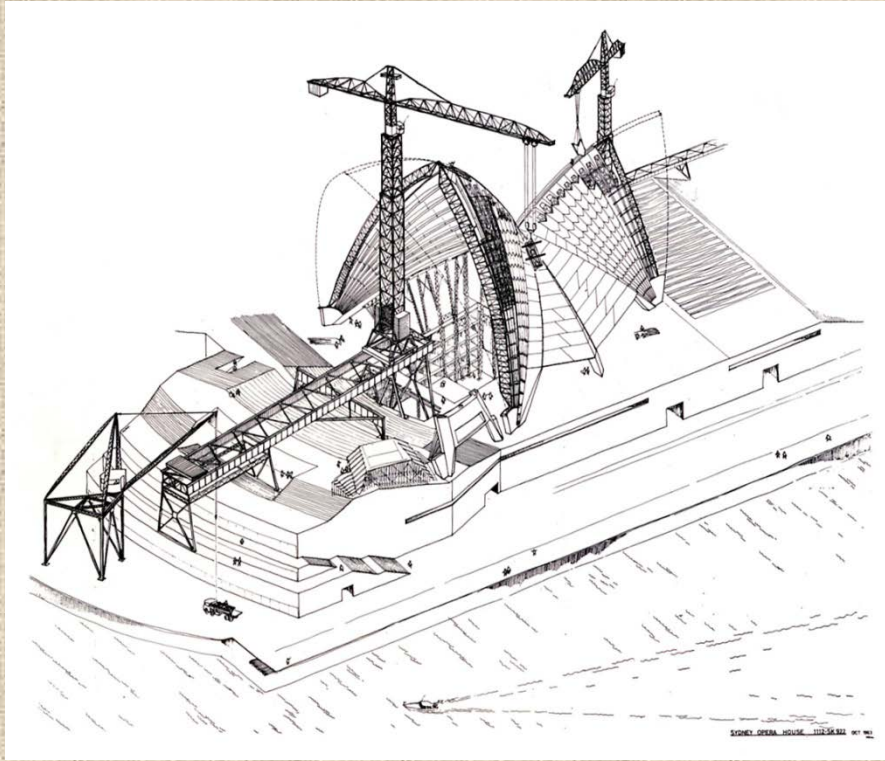


8.55  
Jørn Utzon, Sydney Opera House, west  
elevation.

8.56  
Jørn Utzon, Sydney Opera House: west eleva-  
tion of the major auditorium, indicating the fi-  
nal version of the structural arrangement all to  
be covered, as shown, with precast concrete  
lids faced with Höganäs tiles.

















# The importance of *Context*, not only Environment

