

العمارة في العصور الوسطى
(الرومانسكى - القوطى) (٤٠٠-١٤٠٠ م)

Architecture (Romanesque - Gothic)
(400-1400 CE)

Dr. Kamal Elgabalawy

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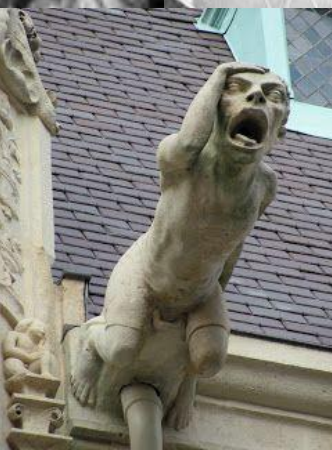
الرعب القوطي

Gothic
style



Gargoyles

Gothic style



Gargoyles

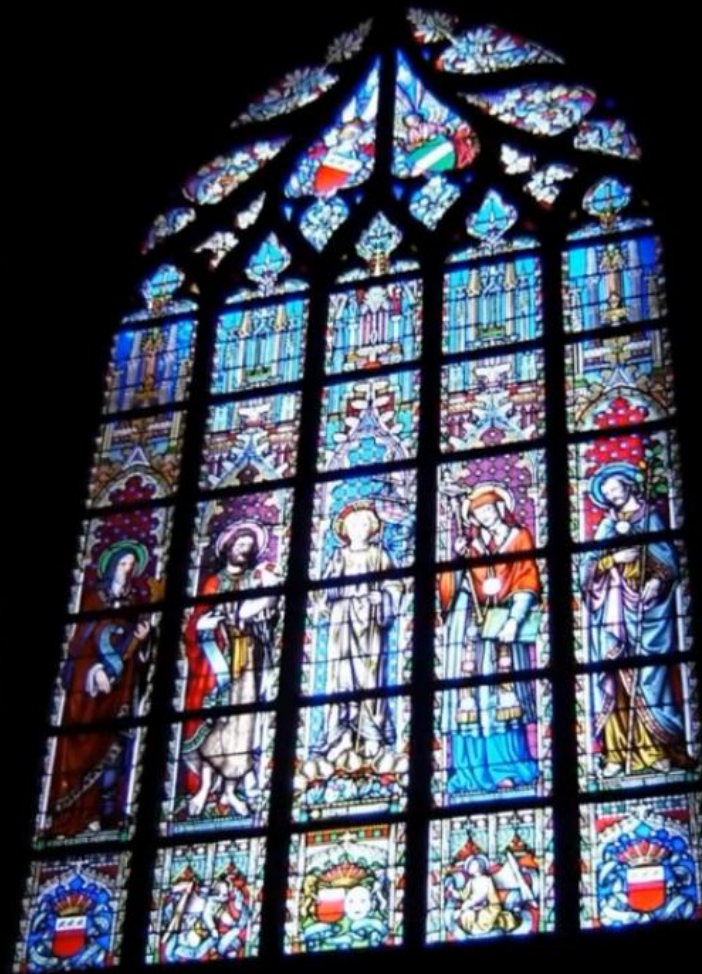
Gothic
style



GOTHIC

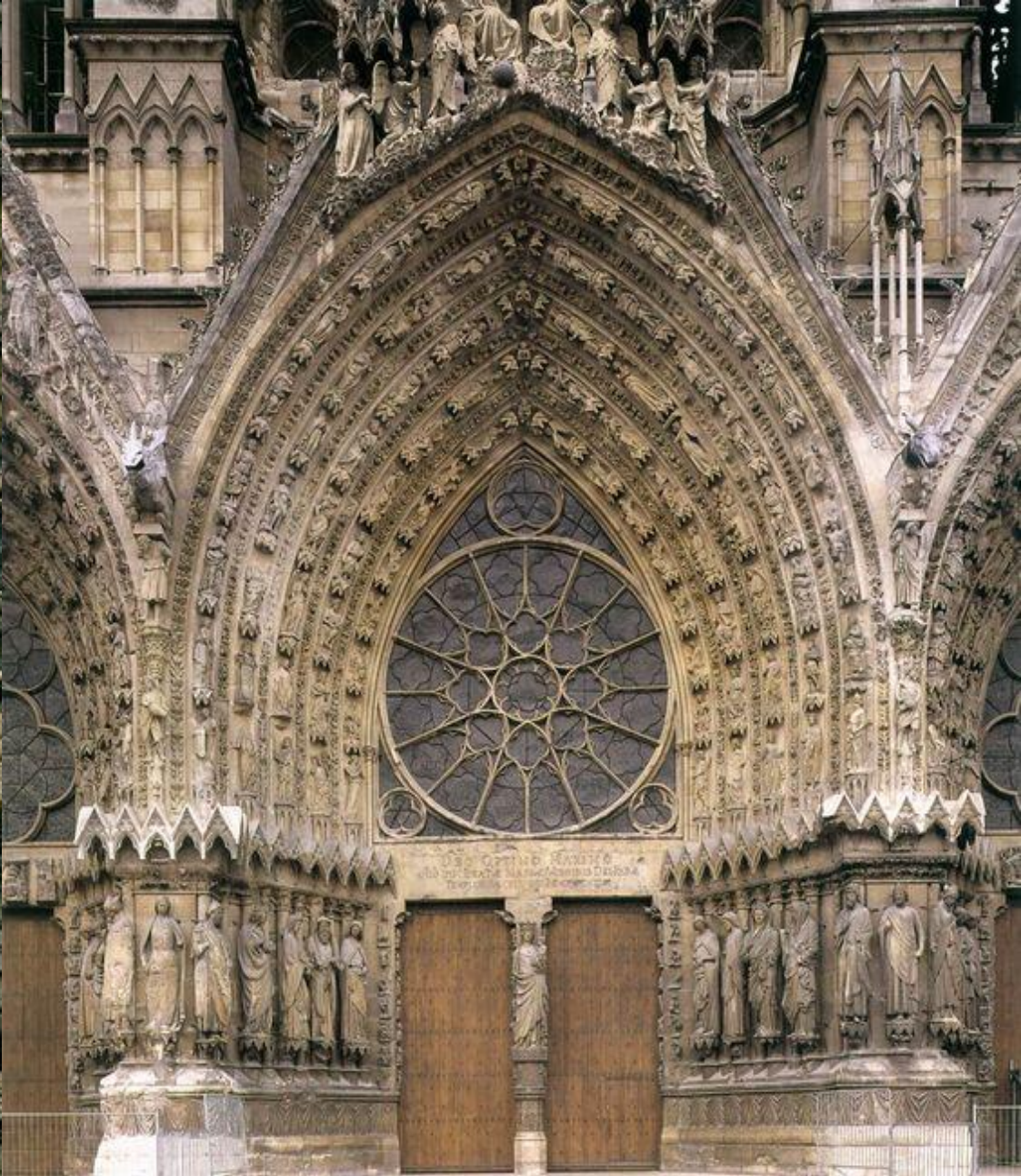
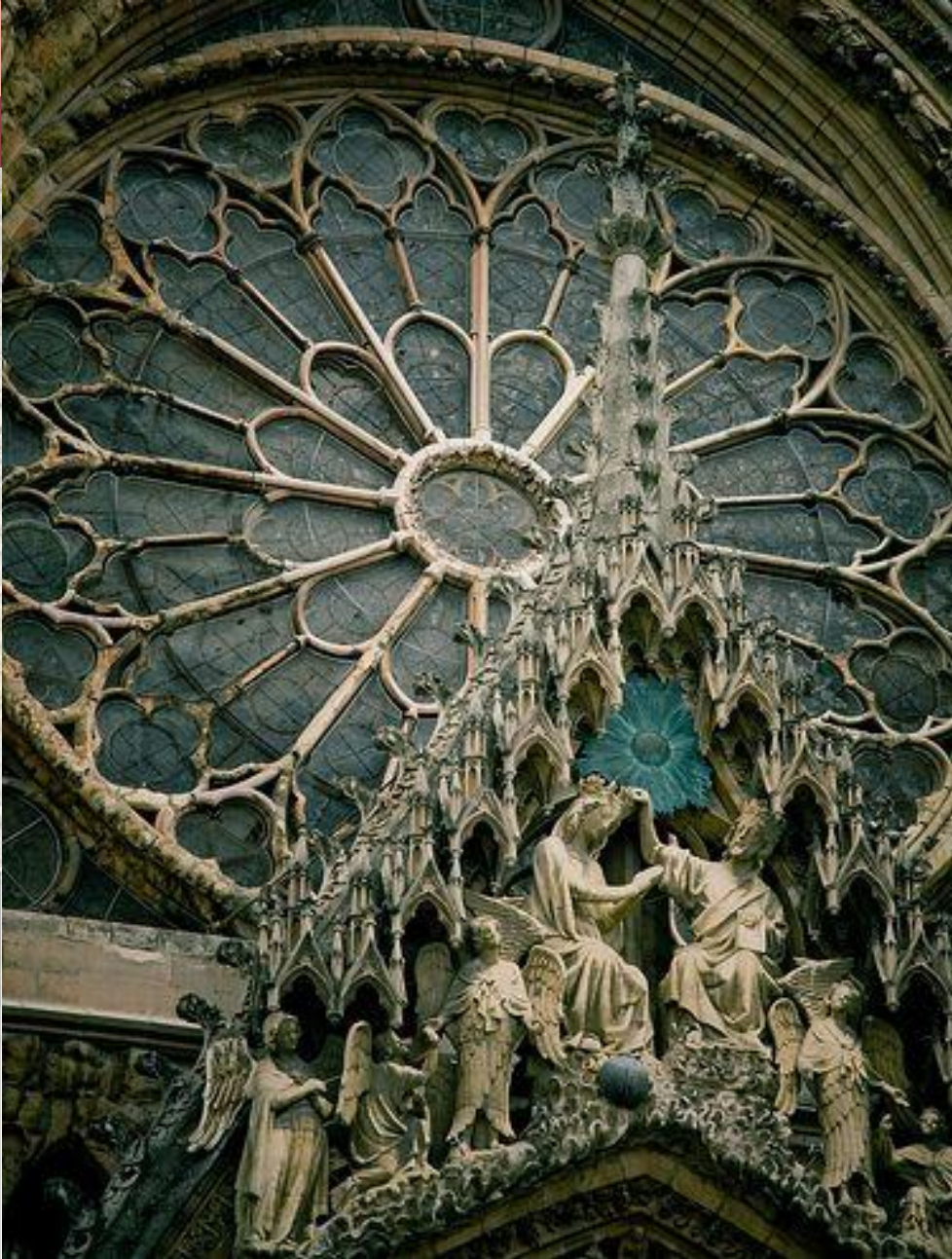
Pointed
arches in roof

Gothic style



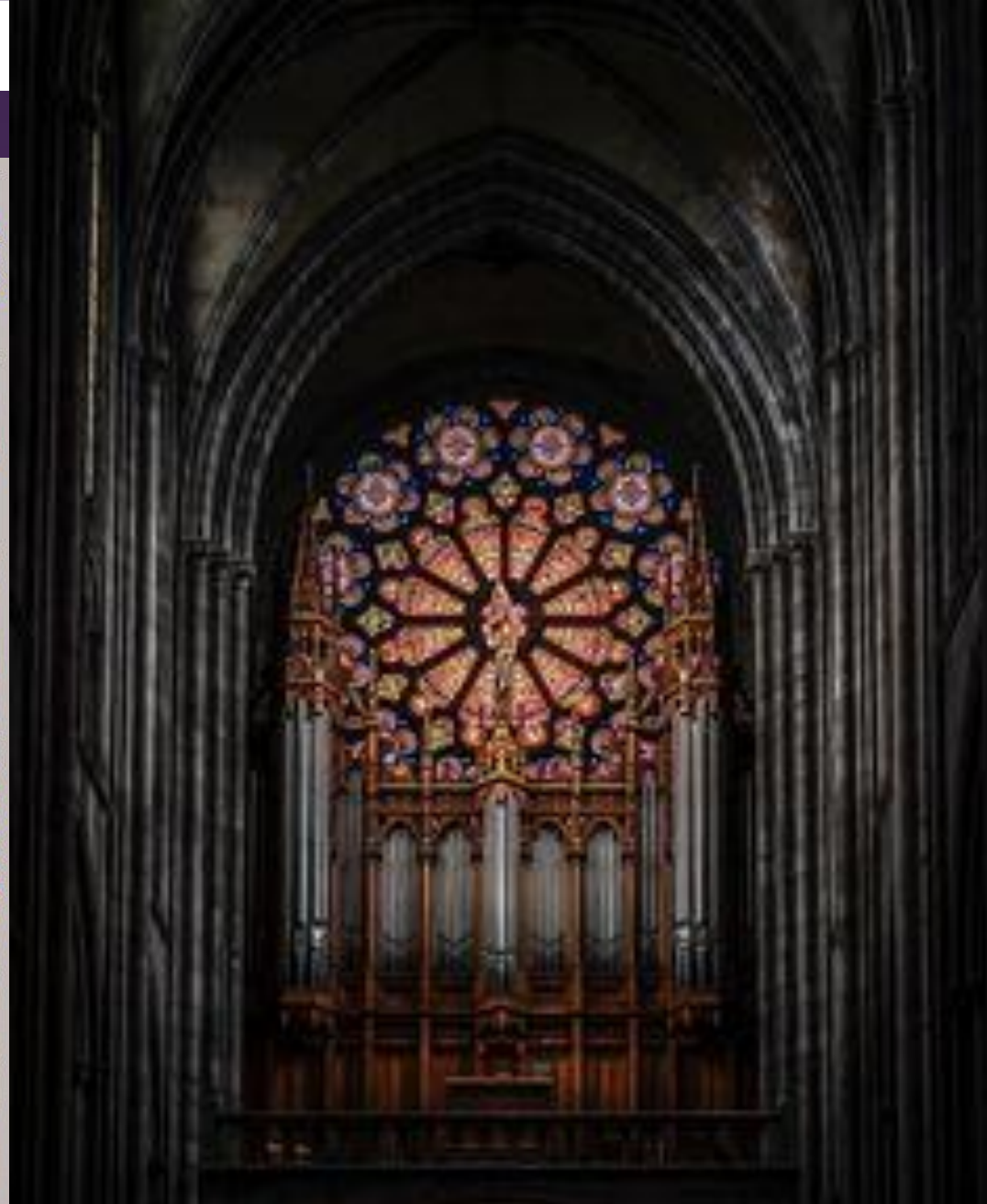
Large windows and a
lot of stained glass

**Gothic
style**



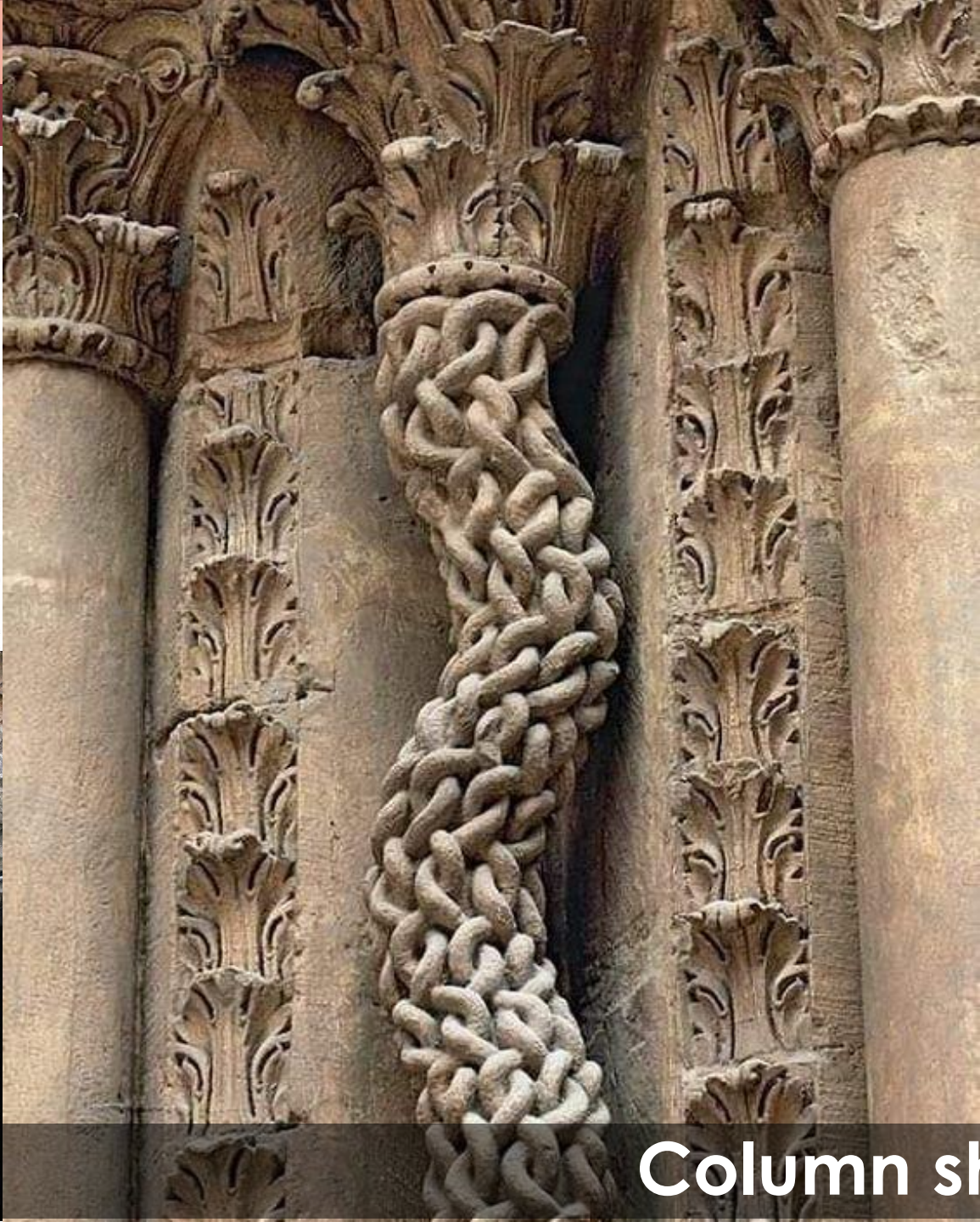
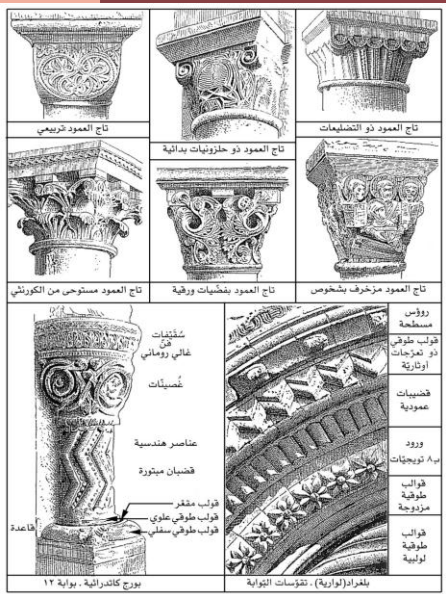
Rounded Windows & Rose Windows

Gothic style



Rounded Windows & Rose Windows

Gothic style



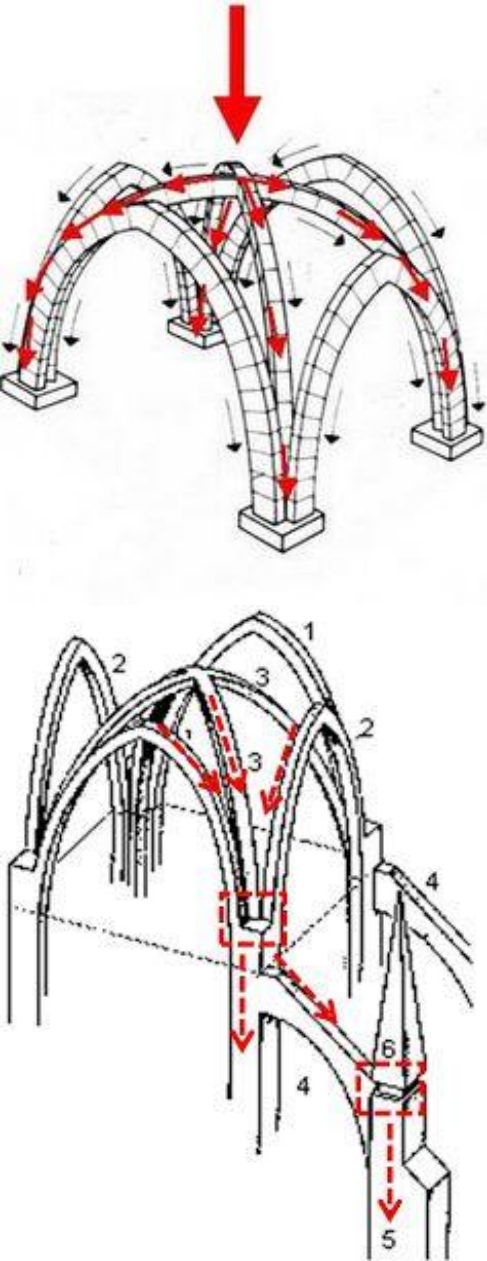
Column shape

Gothic
style



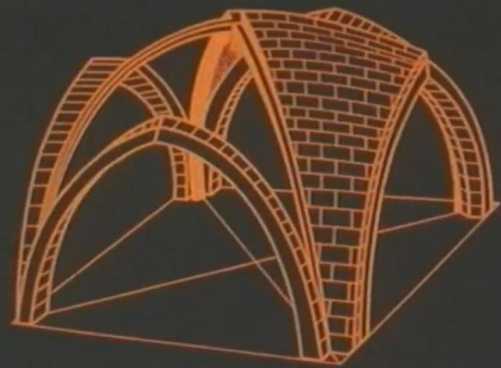
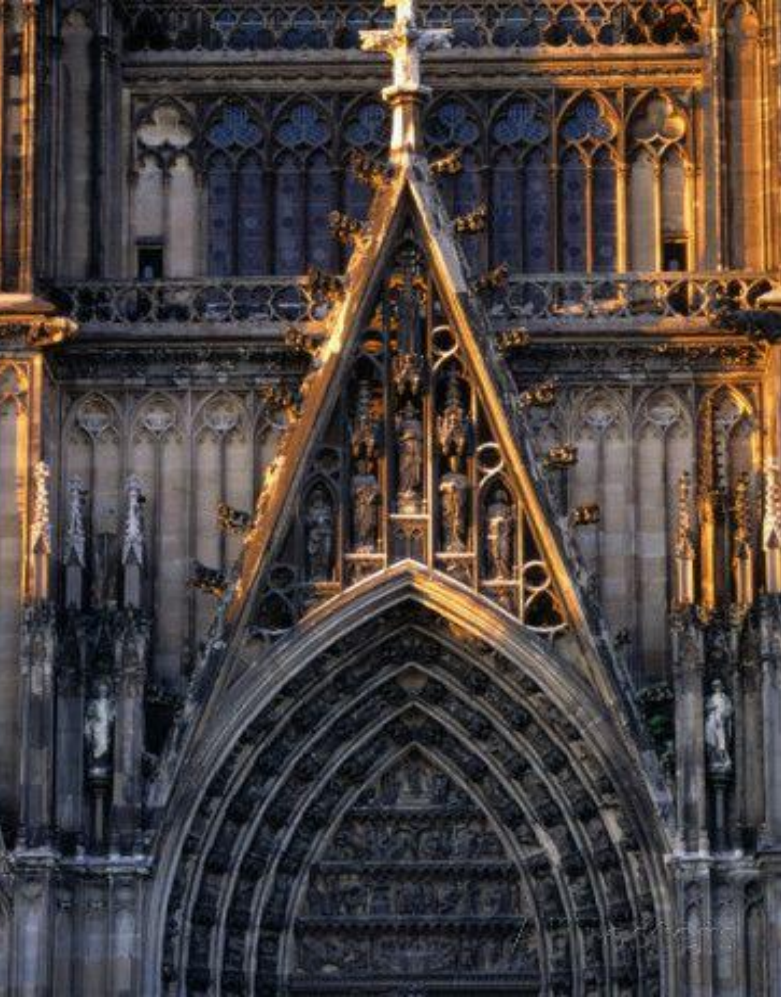
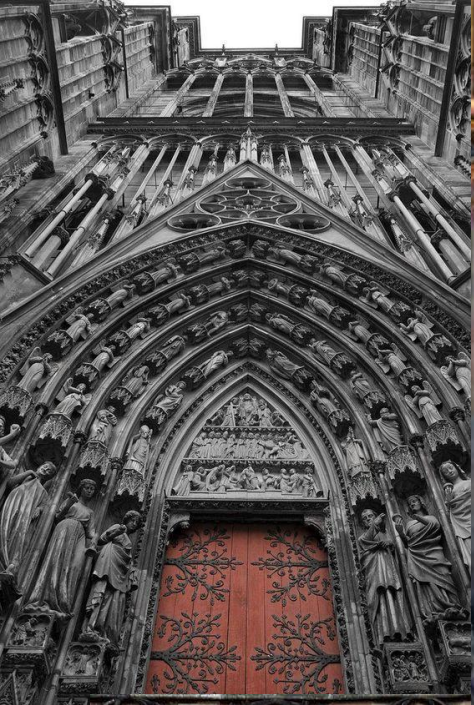
Groin-vaulted cathedrals.

Gothic style



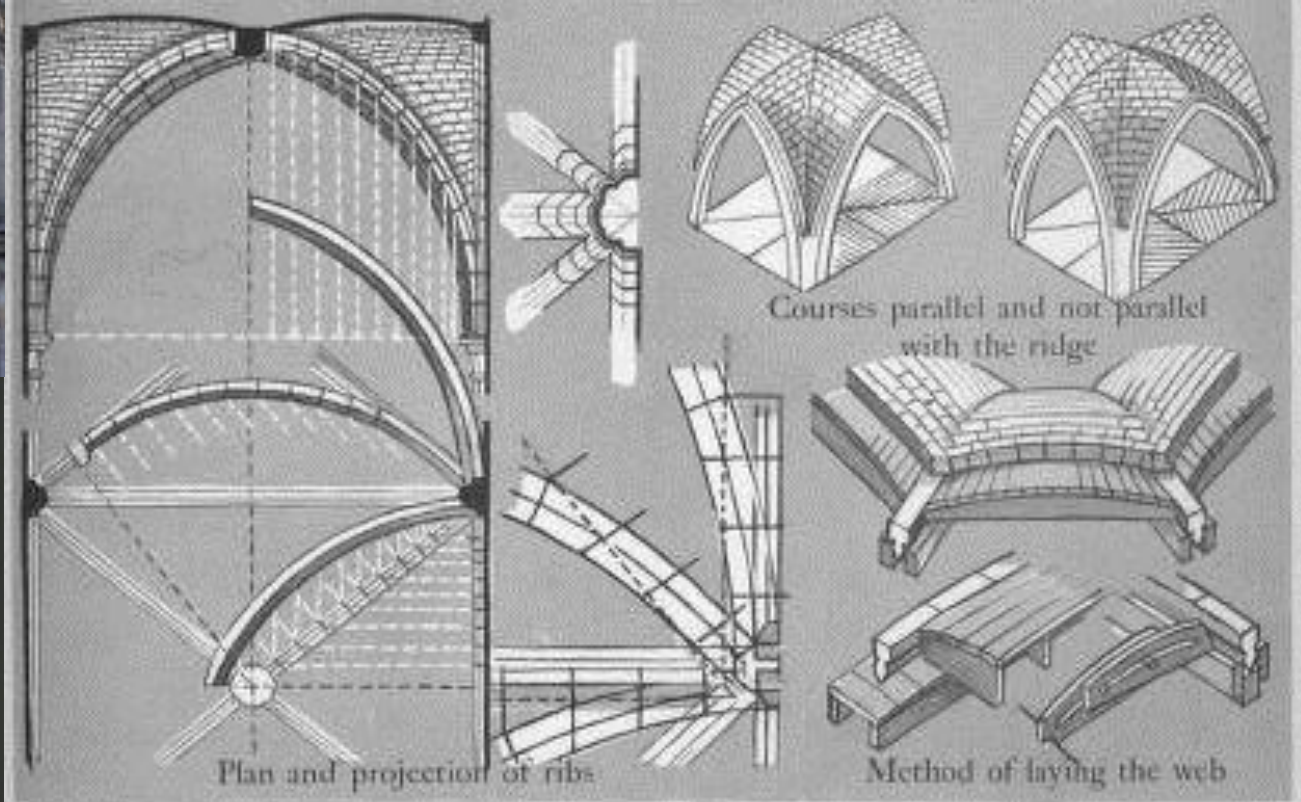
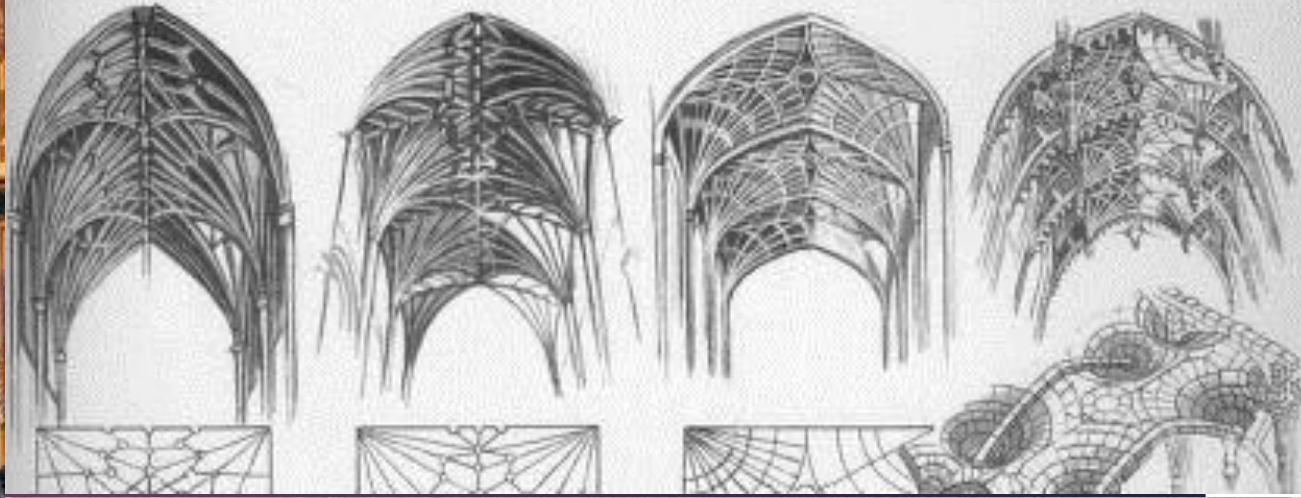
Groin-vaulted cathedrals.

Gothic style

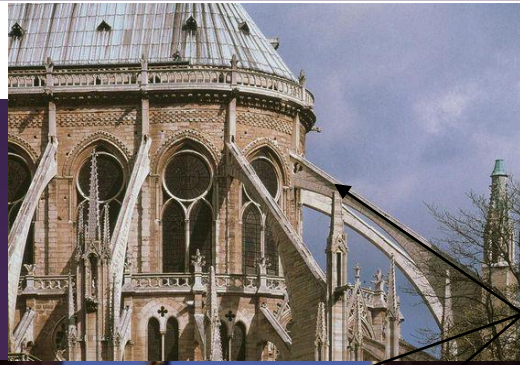


GROIN VAULT

ENGLAND, STONE VAULTING



Gothic
style



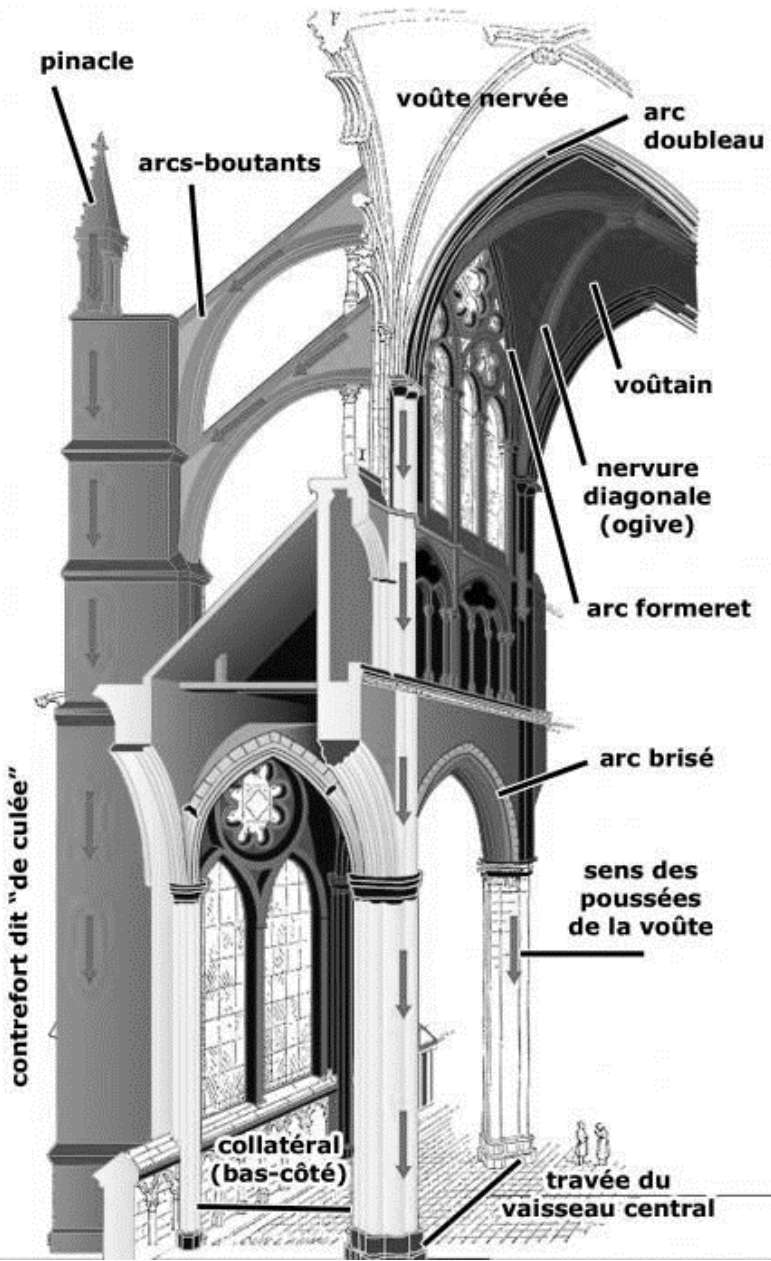
Pointed ends



Flying buttresses , few
structural supports

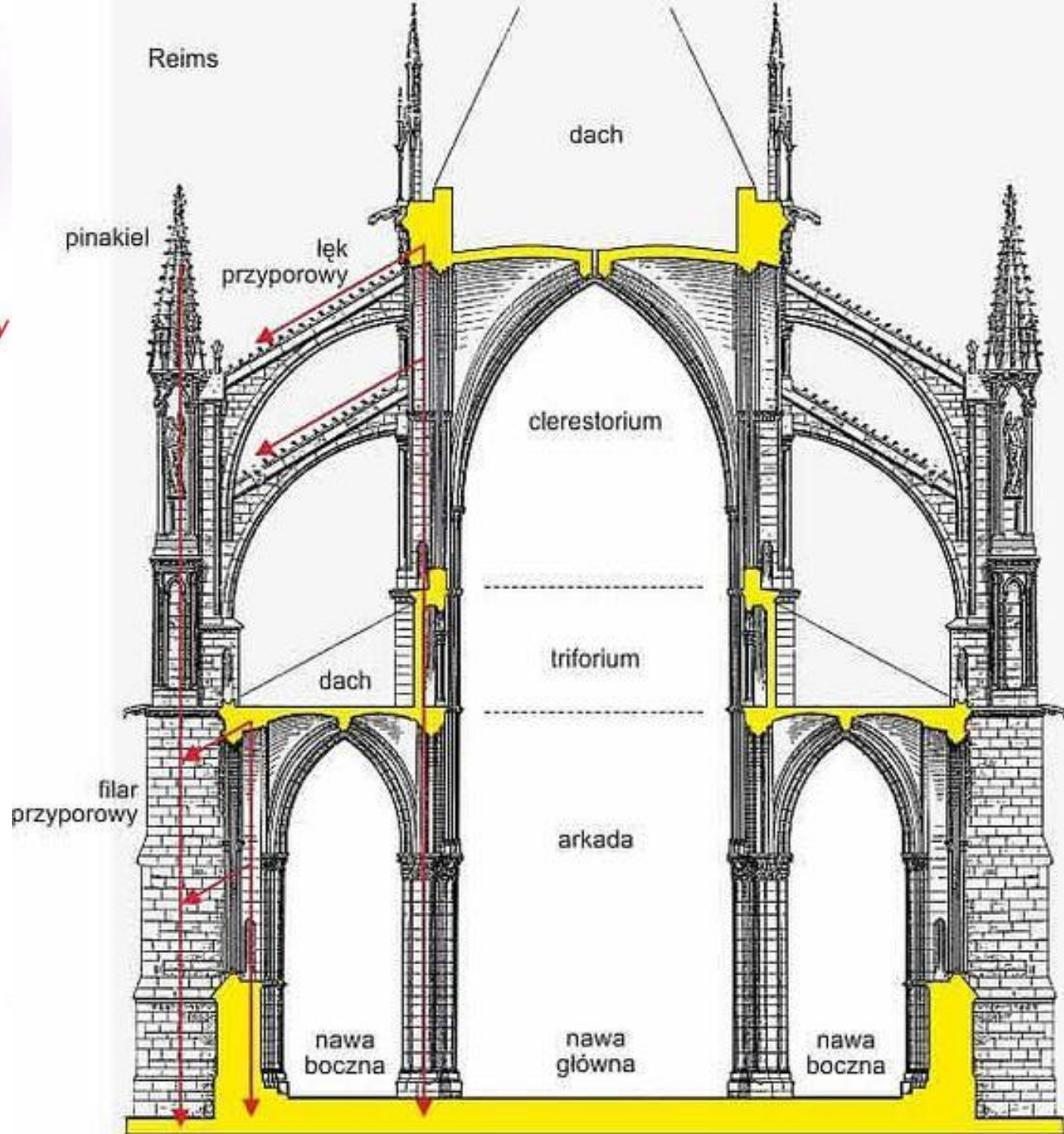
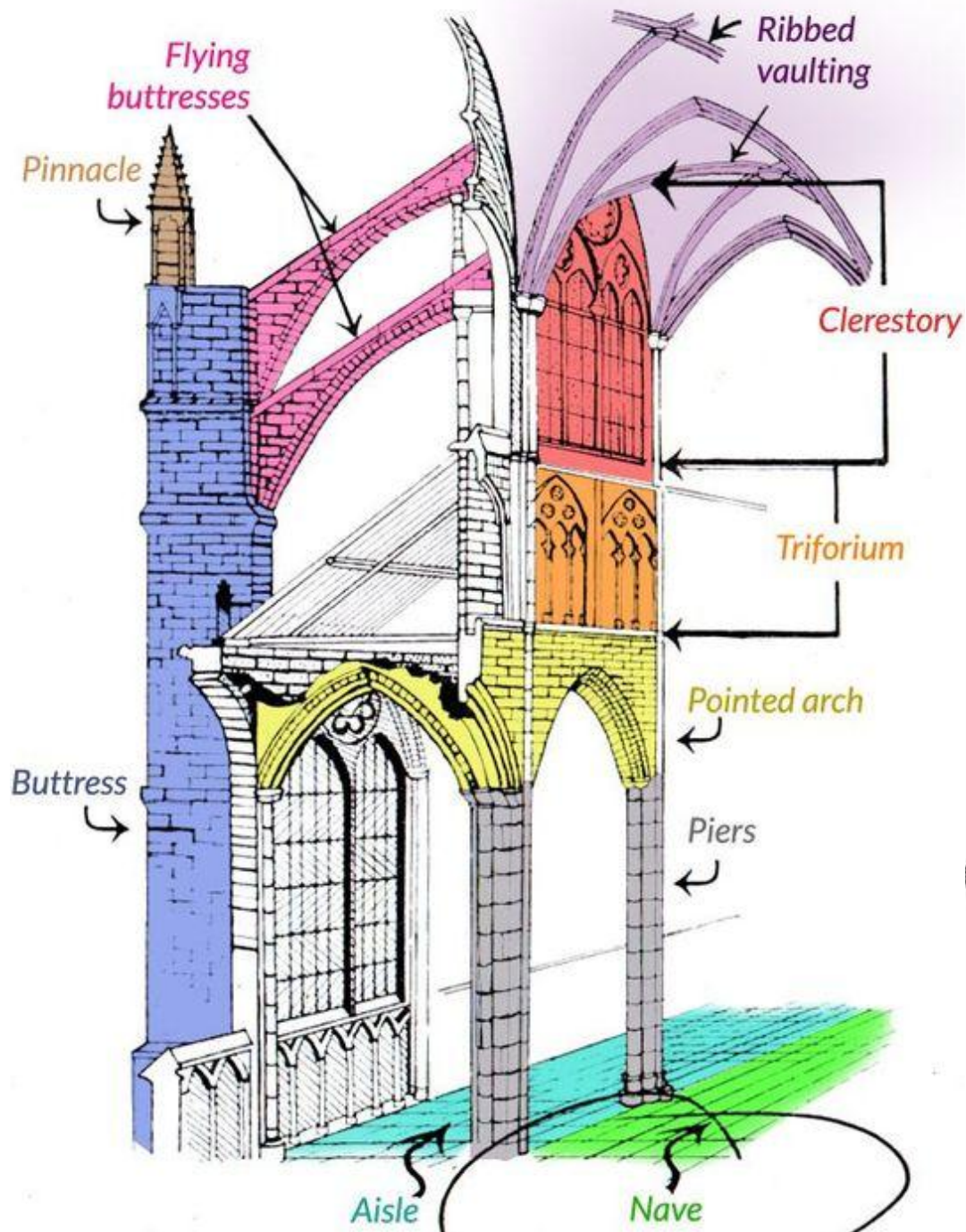


Gothic style



Flying buttresses , few structural supports

Gothic Style



Gothic
style



bright and airy
feeling inside

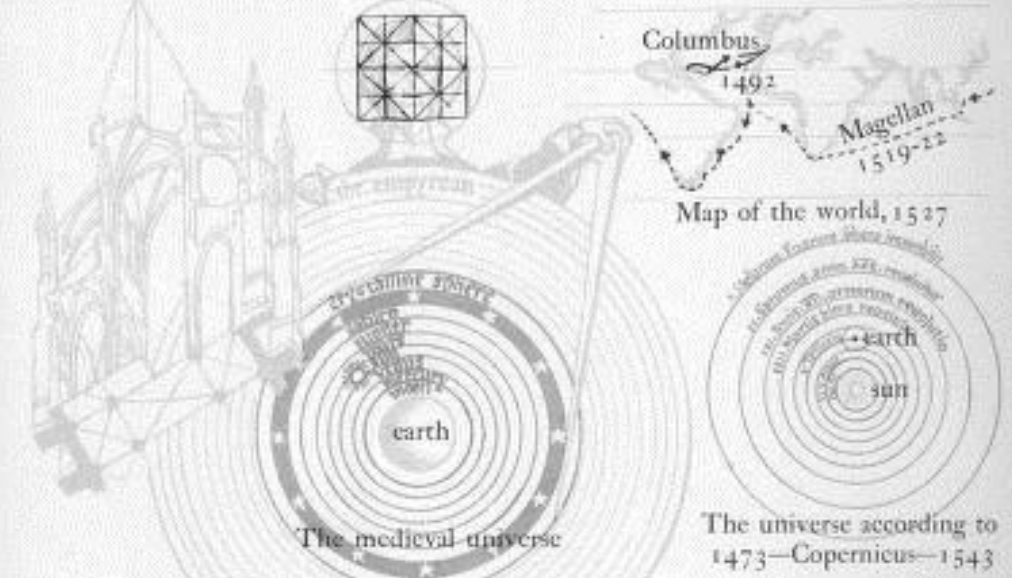
Gothic style

GOTHIC



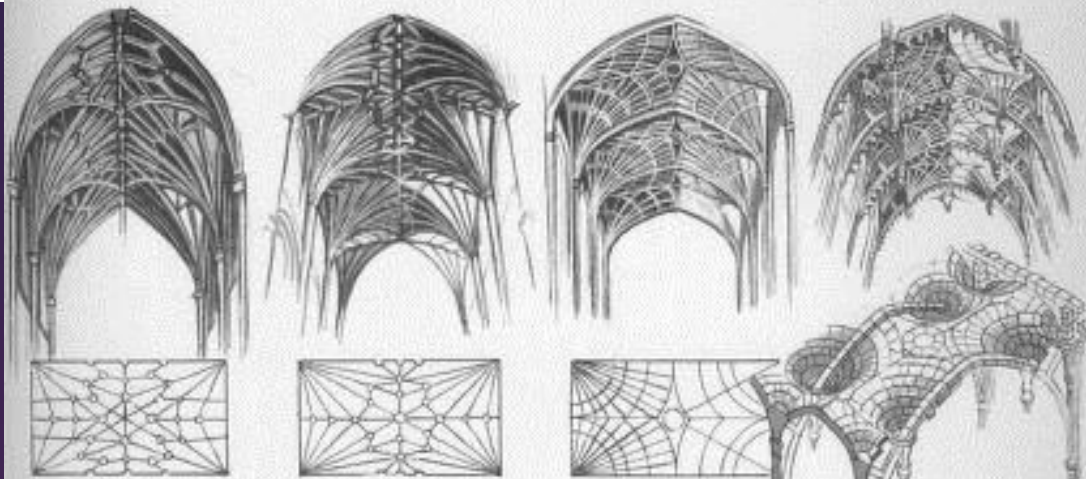
INTRODUCTION

1100	1200	1300	1400	1500	1550
Increase of trade, growth of towns, & rise of guilds	Ascension of Gothic in Ile de France	Black Death 1348-49	1346-The 100 Years' War-1453	1453 End of Eastern Byzantine Empire	
Universities (via Arabs)	Scholasticism c. 1225-S. Aquinas-c. 1275	Humanism 1304-Petrarch-1374	1265-Dante-1321	Italian RENAISSANCE	1452-Leonardo da Vinci-1519
Discoveries:	1214-Roger Bacon-1294	optical lens, mariner's compass, gunpowder, cannon		c. 1450 printing	



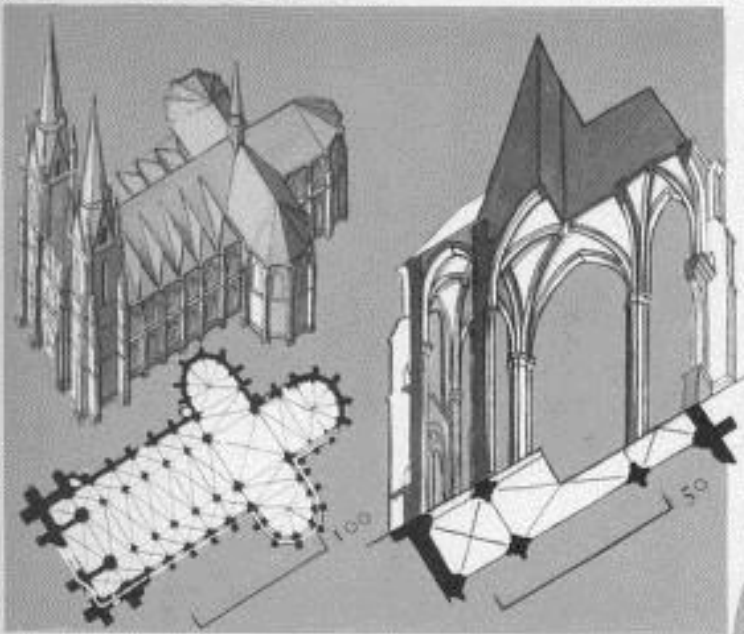
The enlargement of S. Denis, 1144 (p.89) inaugurated a lyrical form of construction in which pointed arches, high stone vaults and flying buttresses were fused into an organic whole, and which reached a crescendo in the cathedrals built in the Ile de France (pp.100-101). Gothic, or the 'style Ogivale' (Fr.: pointed) was known as 'Opus Modernum' or 'Opus Francigenum' (French work); the term 'Gothic', i.e. barbarian, was first used by the Humanists of the Renaissance. Few plans survive by the lay master-masons, who designed their buildings with 'a good wit of geometry' and who directed the quarry-men, stone-cutters, smiths, carpenters & workmen. In England (pp.102-105), France (pp.106-107), Italy (pp.108-109) and Germany (pp.110-111) castles, parish churches, guild-halls and houses followed the same pattern of pointed arches, pinnacles, spires & high-pitched roofs. South of the Alps in Italy Gothic was neutralised by the Roman tradition and ceased with the advent of the Renaissance in the 15th century.

ENGLAND, STONE VAULTING GOTHIC

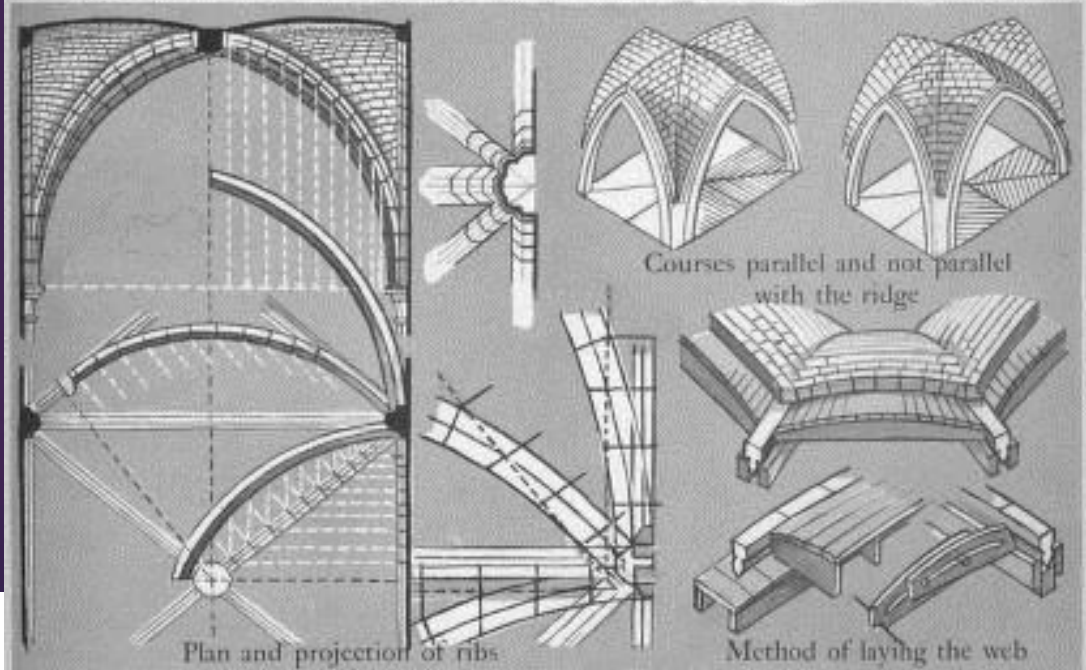


Introduction of liernes or small ribs with shorter web courses
Winchester Cathedral nave, 1371-1460
Norwich Cathedral nave, 1463-1472

Fan vaults: all ribs of equal span and the web carved from the same stone
King's College Chapel, Cambridge, 1446-1515
Henry VII's Chapel, Westminster Abbey, 1502-1512



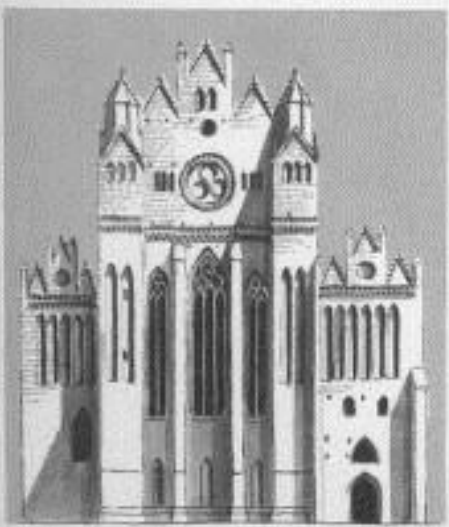
S. Elizabeth, Marburg, c.1233-1283: one of the many 'Hall' churches in North Germany, having the nave and aisles of equal height



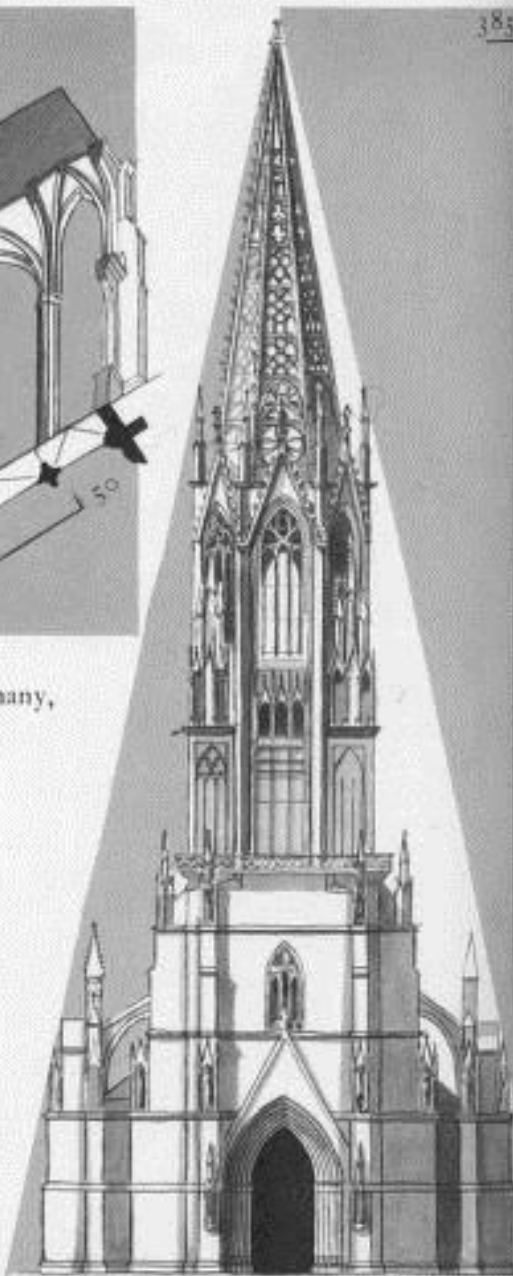
Plan and projection of ribs

Courses parallel and not parallel with the ridge

Method of laying the web



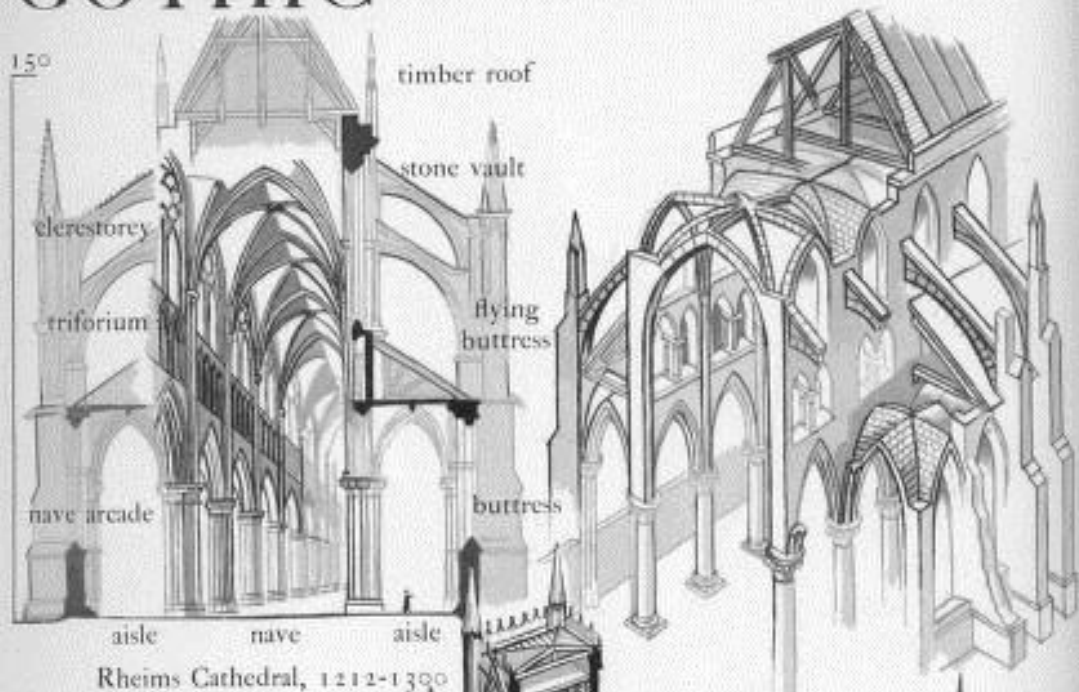
Chorin Abbey, c.1273-1334: west front



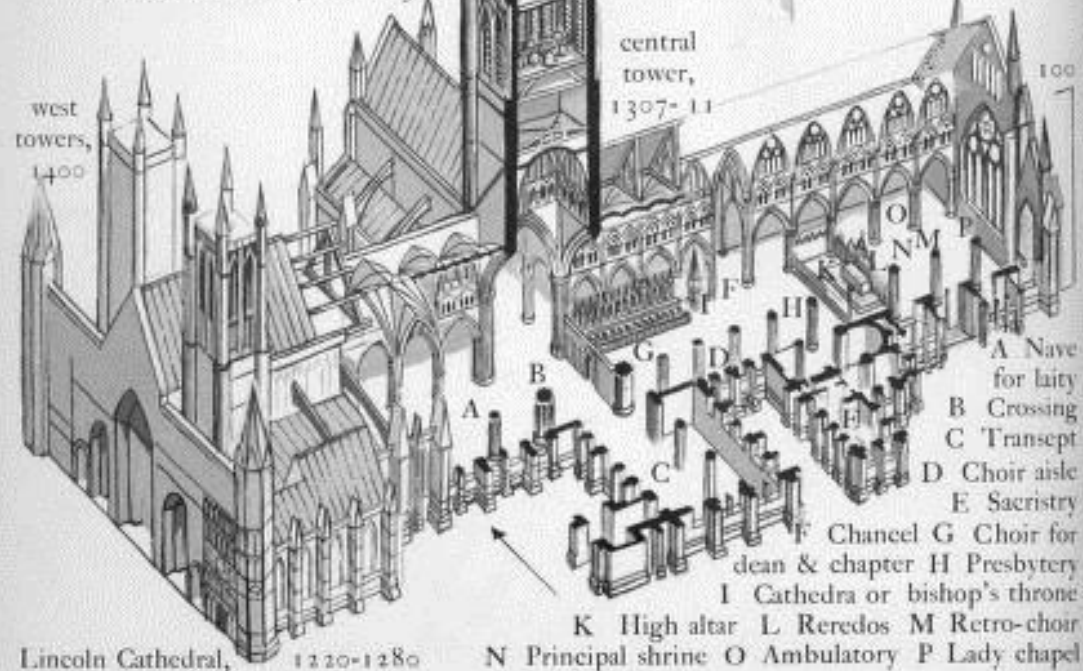
Freiburg Cathedral, c.1268-1288: west front

Gothic style

GOTHIC



Rheims Cathedral, 1212-1300

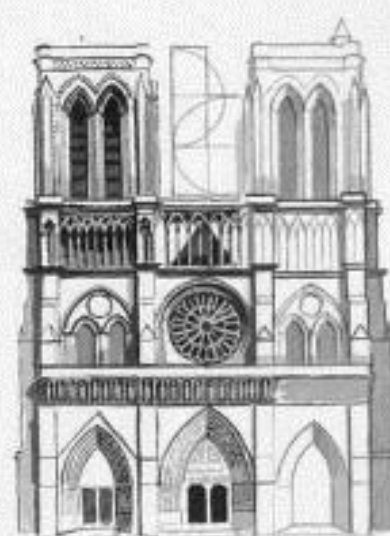


Lincoln Cathedral, 1220-1280

THE PARTS OF A CATHEDRAL



Laon Cathedral, c.1235



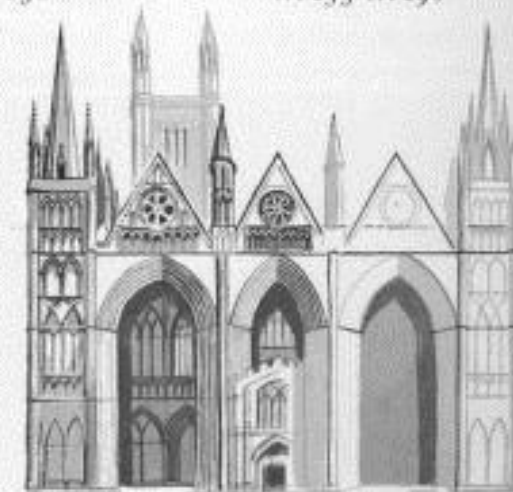
Notre Dame, Paris, c.1200-1250



Rheims Cathedral, c.1255-c.1290



Wells Cathedral, c.1220-1242



Peterborough Cathedral, c.1235



THE WEST FRONT

Gothic style

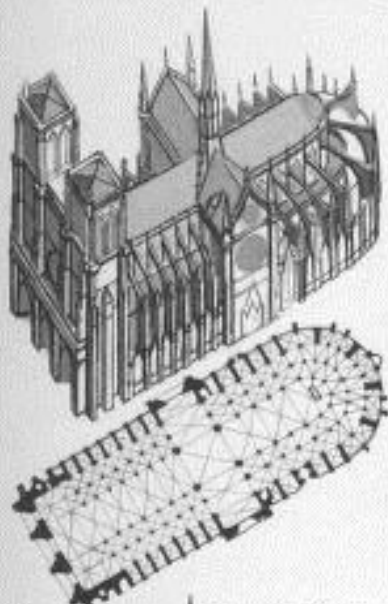
GOTHIC

plans
and elevations
to the same scale

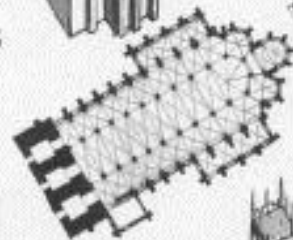
200

Amiens Cathedral, 1220-1288

FRANCE



Notre Dame, Paris, 1163-1235



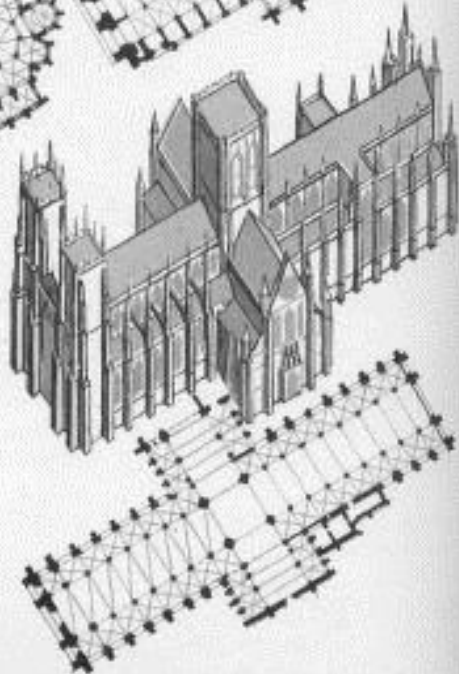
Marienkirche,
Lübeck, 1251-1310

GERMANY



Salisbury Cathedral, 1220-1258

ENGLAND



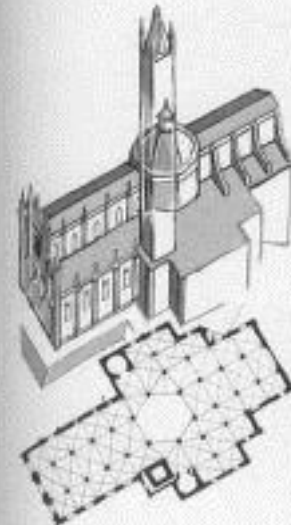
York Cathedral, 1261-1324

PLANS & ELEVATIONS

ITALY

Florence
Cathedral,
1296-1462

dome added by
Brunelleschi
1420-37

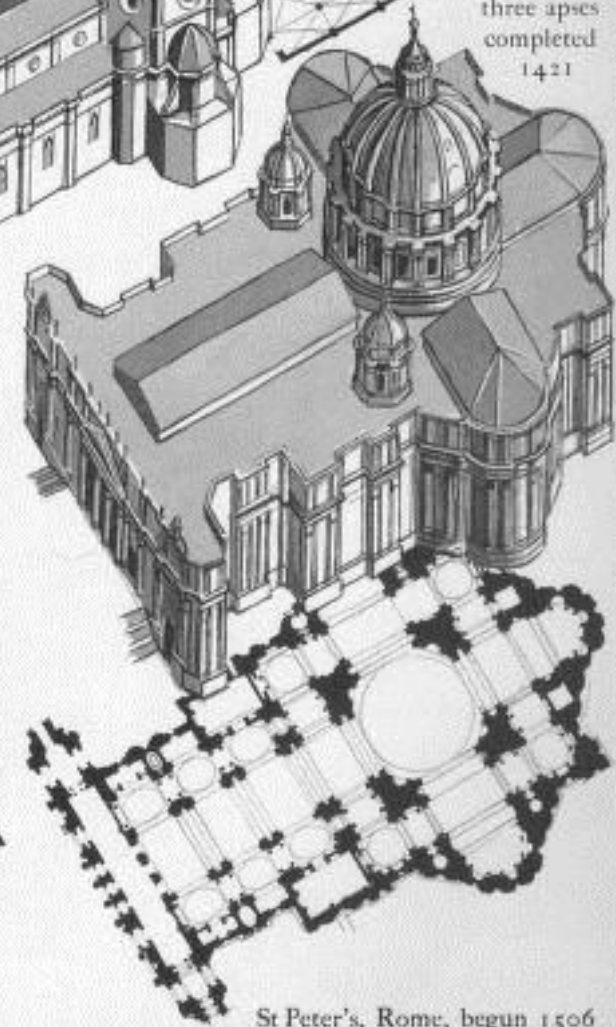


Siena Cathedral,
1245-1380



Burgos Cathedral, 1220-1500

SPAIN



St Peter's, Rome, begun 1506

three apses
completed
1421

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(الرومانسكى - القوطى) (٤٠٠-١٤٠٠ م)

Architecture (Romanesque - Gothic)
(400-1400 CE)

THANK YOU

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