

DETAIL #1
BACKGROUND INFORMATION

NAME OF SELECTED STRUCTURE OR DETAIL:

LION GATE

NAME OF THE ARCHITECT:

UNKNOWN

DATE:

1300 B.C.

REFERENCE(S):

Buildings Across Time 4th ed.

Michael Fazio

Pg 41

REASON FOR SELECTING THIS PARTICULAR STRUCTURE OR DETAIL:

The Lion Gate is an example of basic post & lintel construction and I have studied it for its history & symbolism.

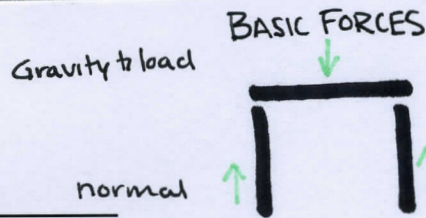


LINTEL spans opening & supports load

POST defines opening & supports lintel

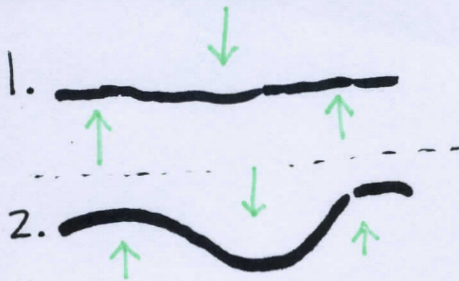
BONUS: HISTORY OR EVOLUTION OF THE SELECTED STRUCTURE OR CONDITION

The Lion Gate stands at the entrance of ancient Mycenae. Two lions carved in relief rest atop the lintel as guardian figures & the inverted column speaks to the Mycenaen roots in Knossos.



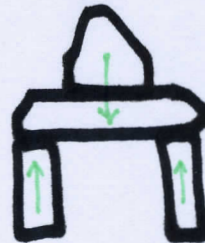
(A) normal

Case of string:



Spanning mechanism (string) is not strong enough to support load.

Case of Lion Gate:



The more substantial (stone) lintel can span a large distance while supporting a heavy load.

stone can sustain large amounts of compression thus, the posts can support the 14 ton lintel.

(B)

BUILDING TECHNOLOGY I / ARCH 20411

PROF. A. BUCELLATO
FALL 2013

SHEET TITLE:

Post & LINTEL: LION GATE

PROJECT TITLE:

SEEING & DESCRIBING FUNDAMENTAL TECTONICS
DETAIL # 1

DATE:

9/10/13

SCALE:

VARIES

DRAWN BY:

A. RINKS

SHEET NUMBER:

1