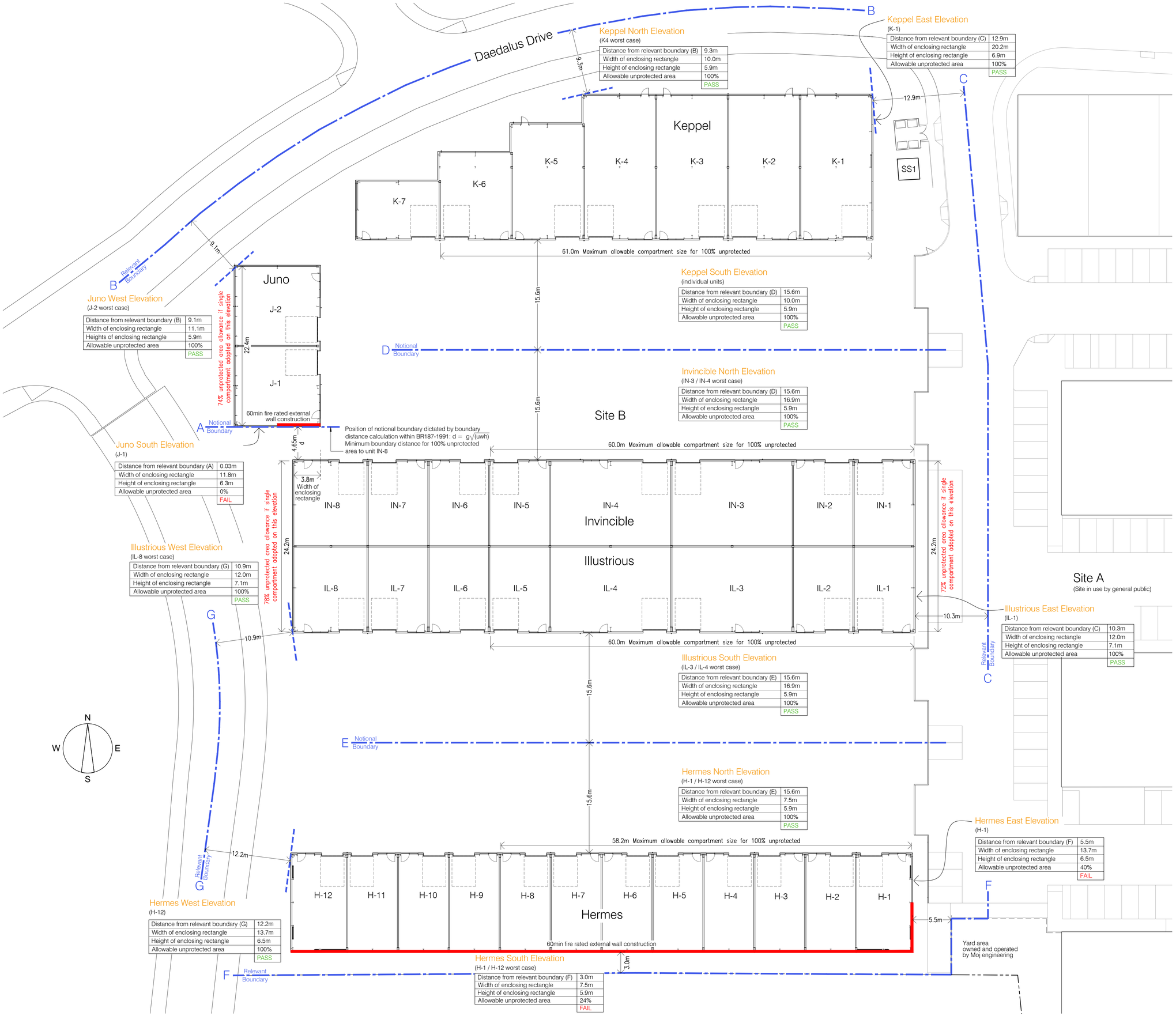

Notes

Scaled dimension are not to be used for construction
Contractor to check all dimensions and report omissions and errors to the Architect

Key

Relevant / Notional Boundary's

60min fire rated external wall construction

Boundary Condition Calculations
BR187-1991

Example Calculation: Hermes East Elevation
unprotected area = $\frac{(d / f)^2}{(wh)}$

d=distance from relevant boundary - 5.5m
w=width of enclosing rectangle - 13.7m
h=height of enclosing rectangle - 6.5m
f= factor taken from Table 3 (w/d) - 0.92

d5.5 / f0.92 = 5.97² = 35.64
w13.7 x h6.5 = 89.05
35.64 / 89.05 = 0.40
0.40 x 100 = 40% FAIL - external wall construction must be 60min fire rated

STATUS	REV	DATE	DESCRIPTION
A5	C1	29/10/18	CONSTRUCTION ISSUE
S2	P7	06/08/18	ORIGINAL ISSUE

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CLIENT
Knights Brown Construction Ltd

PROJECT
Daedalus Park
Site B (North & South)

DRAWING TITLE
Site Plan - Fire Strategy / Boundary Conditions

DRAWING STATUS
A5: SUITABLE FOR CONSTRUCTION

DWN BY: JL
ORIGINATOR No.: 18013
CHK BY: MGB
SCALE: 1:250 @A1

PROJECT | ORIGINATOR | ZONE | LEVEL | TYPE | ROLE | CLASSIFICATION | NUMBER
DPSB-FORUM-ZZ-XX-DR-A-XX-1060

REVISION: C1