

NOTES:
 DO NOT SCALE FROM THIS DRAWING. ALL DIMENSIONS TO BE CHECKED ON SITE. ALL OMISSIONS AND DISCREPANCIES TO BE REPORTED TO THE ARCHITECT IMMEDIATELY.
 ALL RIGHTS RESERVED. THIS WORK IS COPYRIGHT AND CANNOT BE REPRODUCED OR COPIED OR MODIFIED IN ANY FORM OR BY ANY MEANS, GRAPHIC ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING WITHOUT THE WRITTEN PERMISSION OF SQUIRE AND PARTNERS ARCHITECTS.

- 1 Bed
- 2 Bed
- 3 Bed
- 4 Bed
- House
- Hotel
- Residential Lobby
- Office
- Cinema/Gym
- School

| Revision description | Date | Check | Rev |
|----------------------|------|-------|-----|
| | | | |

SQUIRE & PARTNERS

77 Wicklow Street London WC1X 9JY
 T: 020 7278 5555 F: 020 7239 0495

info@squireandpartners.com
 www.squireandpartners.com

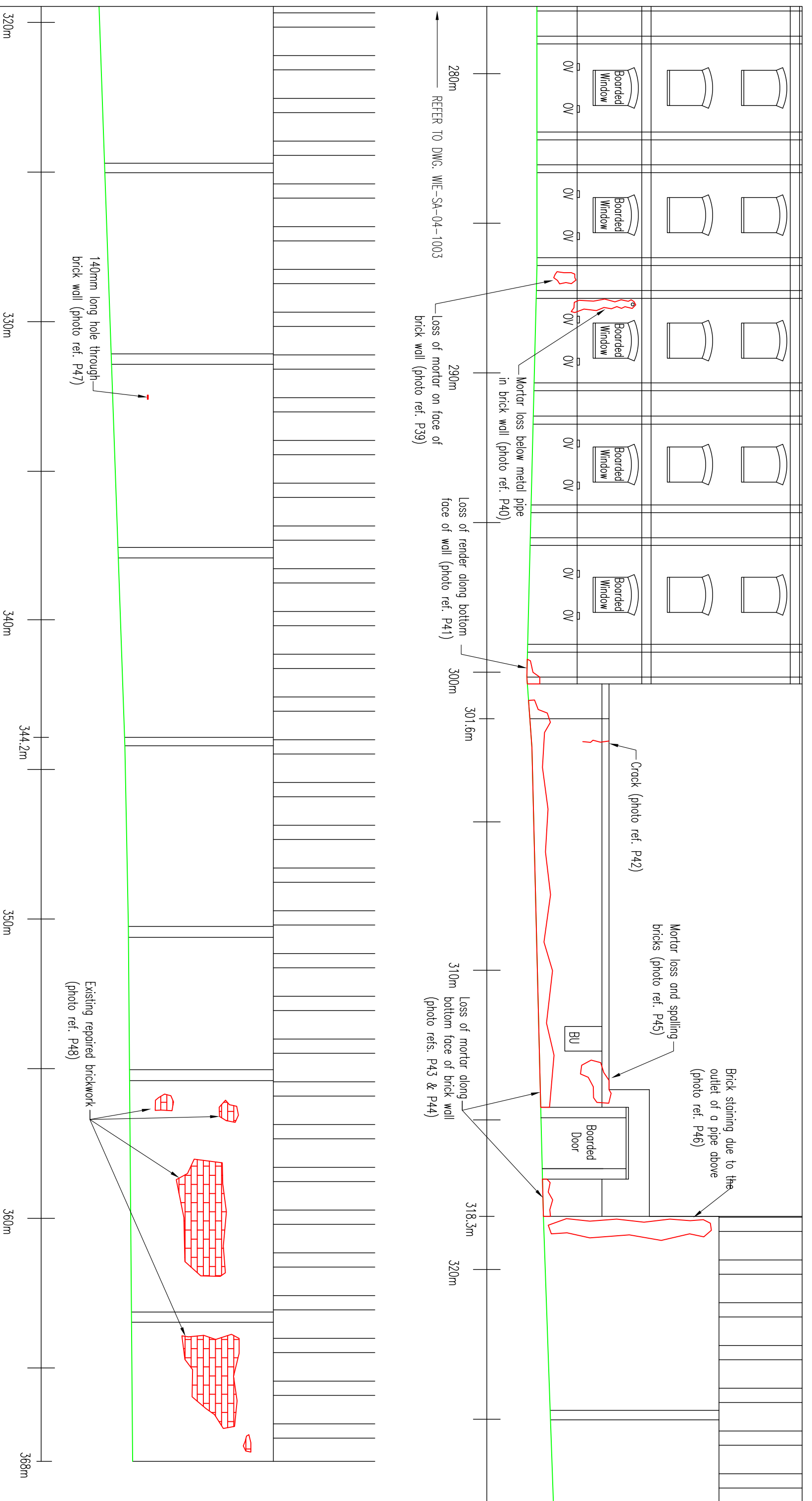
Project
Stag Brewery
Richmond

Drawing
Site Plan
Typical Level

| Drawn | Date | Scale |
|-------|---------------|----------------------------|
| JB | 06/08/16 | 1:1250 @ A1 1:2500 @ A3 |
| 16019 | G100_P_02_001 | Revision |



View of from the River with The Maltings



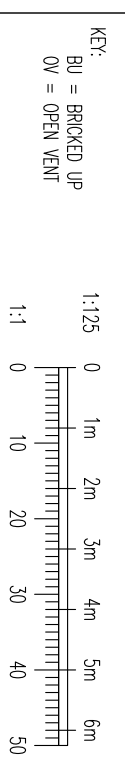
280m REFER TO DWG: WIE-SA-04-1003

290m Loss of mortar on face of brick wall (photo ref. P39)

300m Loss of render along bottom face of wall (photo ref. P41)

310m Loss of mortar along bottom face of brick wall (photo refs. P43 & P44)

318.3m 320m



1. THIS CONDITION SURVEY WAS CARRIED OUT ON 16TH SEPTEMBER BY TLR & TSC.
2. MINOR VEGETATION GROWTH, GRAFFITI AND WEAR OF THE BRICKS ARE PRESENT ALONG THE LENGTH OF WALL.
3. WALL COMPOSED OF MANY DIFFERENT BRICK WALL SECTIONS. STEEL COLUMNS INSTALLED BEHIND THE EASTERN HALF OF THE WALL AT INTERVALS IN ORDER TO PROVIDE SUPPORT (0m TO 163m). NEWER SECTION OF WALL FROM 163m TO 257m. MALTINGS BUILDING SECTION OF WALL RUNS FROM 257m TO 318m. NEWER SECTION OF WALL RUNS FROM 318m TO 368m.

| Rev | Date | Description | By |
|-----|----------|------------------------|-----|
| A01 | 14.12.16 | ISSUED FOR INFORMATION | TLR |

Pickfords Wharf Clink Street London SE19DG
1 (20) 7320 7888 www.watermangroup.com
mail@watermangroup.com

Project: **STAG BREWERY, MORTLAKE**

Title: **THAMES RIVER WALL CONDITION SURVEY DEFECT ELEVATION SKETCH (SHEET 1 of 4)**

Client: **DARTMOUTH CAPITAL ADVISORS LTD**

| | | | | | | |
|-------------|------|----------|------------|---------------------------------|------------------|--------------------------|
| Designed by | | TLR | Checked by | AAK | Project No | WIE10667 |
| Drawn by | | TLR | Date | DECEMBER 2016 | Computer File No | WIE-10667-SA-04-1004.dwg |
| Scales @ A3 | | 1:125 | | work to figured dimensions only | | |
| Publisher | Zone | Category | Number | Revision | | |
| WIE | SA | 04 | 1004 | A01 | | |

PRELIMINARY



B. Calculations

| | | | |
|-------------------------------------------------------------------|-----------------|-------------------|----------------------|
| Calculations | Office: London | | Project No: WIE10667 |
| Job Title: Stag Brewery - Mortlake | Prepared by: VB | Date: 14/02/17 | |
| Calculations Title: Maltings Building External Wall Assessment | Checked by: | Date: | |

Loading

-Determine the load that results from the river rising to the flood defence level.

Existing Ground level = 4.7 m
 2100 Flood defence level = 6.7 m

Height of water = 2 m

Unit weight of water = 10 kN/m³
 Accidental load factor = 1

Applied pressure = 20 kN/m²

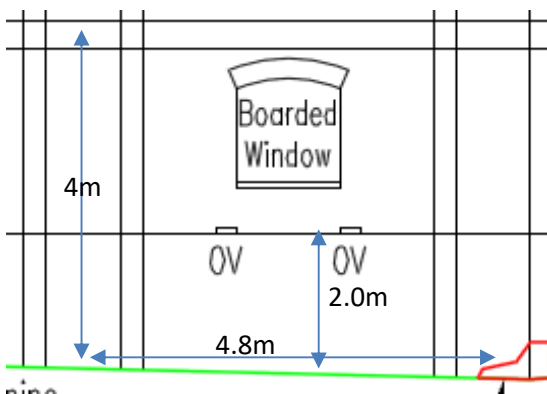
Wind pressure

The building is currently subject to wind pressures and these will be applied to the top section of the column that is not subject to water pressures.

Wind Pressure = 0.9 kN/m²

Span arrangements

The architectural intent is to extend the windows on the bottom floor down to ground level.

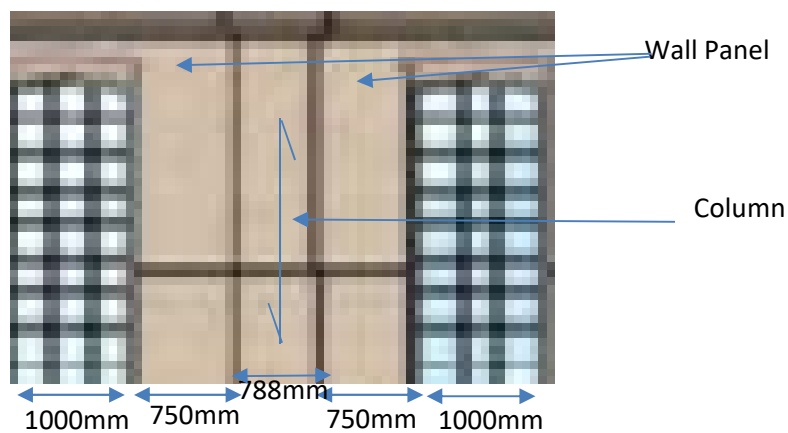


| | | | |
|----------------------------------------------------------------|------------------------------------|-----------------|----------------------|
| Calculations | Office: London | | Project No: WIE10667 |
| | Job Title: Stag Brewery - Mortlake | Prepared by: VB | Date: 14/02/17 |
| Calculations Title: Maltings Building External Wall Assessment | Checked by: | Date: | |

The wall panels and column section will be considered as one section with the load from the windows transferred to the masonry. The combined section will then be considered to span between the ground and the first floor.

A fixed edge condition will be taken for the bottom of the wall and a free edge support condition will be taken for the top of the wall.

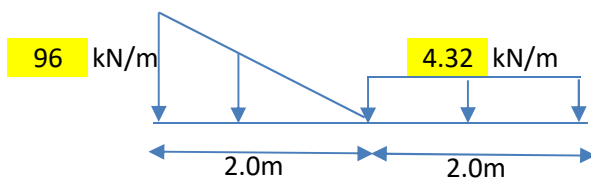
Dimensions:



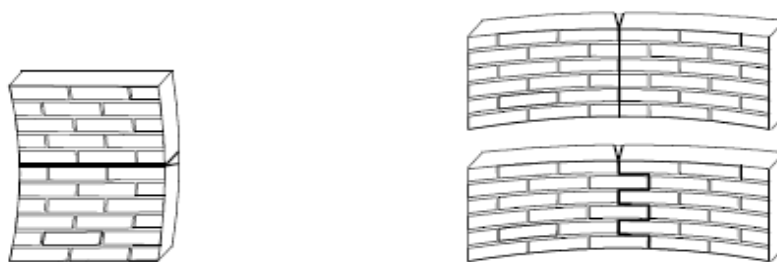
Distance Between Columns = 4800 mm

Loading Diagrams

Determine the total load applied to the column.



Planes of failure



a) plane of failure parallel to bed joints, f_{vk1} b) plane of failure perpendicular to bed joints, f_{vk2}

| | | | |
|----------------------------------------------------------------|-----------------|-------|----------------------|
| Calculations | Office: London | | Project No: WIE10667 |
| Job Title: Stag Brewery - Mortlake | Prepared by: VB | Date: | |
| Calculations Title: Maltings Building External Wall Assessment | Checked by: | Date: | |

Analysis

Column

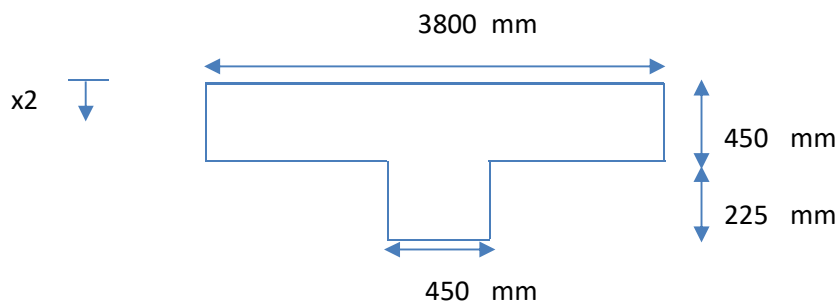
The column spans between the ground and first floor. The bottom two metres is subject to a water pressure in a 2100 storm event.

An analysis model was created in Staad Pro V8i considering a column with a fixed and connection at foundation level and a pinned end connection at first floor level. A hydrostatic water pressure was applied to the bottom two metres of the column and a wind pressure was applied to the top 2m of the column.

$$M = 46 \text{ kNm}$$

$$V = 94 \text{ kN}$$

Section Dimensions



Determine section Z value

$$x2 = 244 \text{ mm}$$

$$I = 4E+10 \text{ mm}^4$$

$$Z = I/x2$$

$$Z = 2E+08 \text{ mm}^3$$

Bending and shear stresss checks

$$\text{Applied bending Stress} = M/Z$$

$$Z = 2E+08 \text{ mm}^3$$

$$\text{Applied bending Stress} = 0.2792 \text{ N/mm}^2$$

The critical case for the column in this instance is bending parallel to the bed joint

$$\text{Characteristic flexural strength of masonry, } f_{xk1} = 0.5 \text{ N/mm}^2$$

$$\gamma_m = 2.70$$

$$\text{Capacity} = f_{xk1}/\gamma_m + \sigma_d \text{ (}\sigma_d \text{ limited to } 0.2f_k/\gamma_m\text{)}$$

Determine limiting σ_d value:

$$f_k = k f_b^\alpha f_m^\beta \quad \text{cl3.6.1.2 EN 1996-1-1:2005}$$

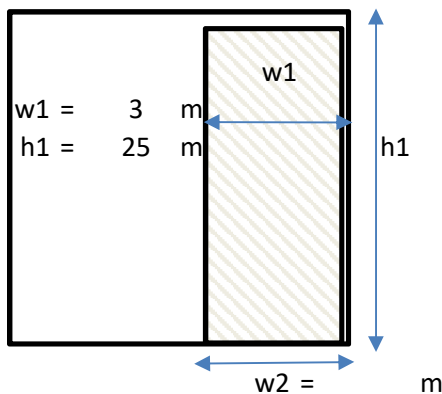
$$k = 0.75$$

$$f_b = 50 \text{ N/mm}^2$$

| | | | |
|----------------------------------------------------------------|------------------------------------|-----------------|----------------------|
| Calculations | Office: London | | Project No: WIE10667 |
| | Job Title: Stag Brewery - Mortlake | Prepared by: VB | Date: 14/02/17 |
| Calculations Title: Maltings Building External Wall Assessment | Checked by: | Date: | |

$$\begin{aligned}
 f_m &= 4 \text{ N/mm}^2 \\
 \alpha &= 0.7 \\
 \beta &= 0.3 \\
 f_k &= 17.58 \text{ N/mm}^2 \\
 \sigma_d &= 1.30 \text{ N/mm}^2
 \end{aligned}$$

Determine actual σ_d value:



$$\begin{aligned}
 \text{Actual } \sigma_d &= \text{Force} / \text{Area} \\
 \text{Force} &= \text{Unit Weight} \times \text{Cross section area} \times \text{height} \\
 \text{Unit Weight} &= 22.5 \text{ kN/m}^3 \\
 \text{Force} &= 1018.8 \text{ kN} \\
 \text{Area} &= \text{Cross section Area} \\
 \text{Area} &= 1.8113 \text{ m}^2 \\
 \text{Actual } \sigma_d &= 0.56 \text{ N/mm}^2 \\
 \text{Capacity} &= f_{xk1} / \gamma_m + \sigma_d \\
 \gamma_m &= 2.50 \\
 \text{Capacity} &= 0.7625 \text{ N/mm}^2 \\
 \text{FOS} &= 2.73
 \end{aligned}$$

Shear

- Check that the interface between the panel and the wall has sufficient shear capacity
- Checks in accordance with cl 3.6.2 of BS EN 1996-1-1

$$\begin{aligned}
 \text{Applied force} &= 94.0 \text{ kN} \\
 \text{Stress} &= 0.21 \text{ N/mm}^2
 \end{aligned}$$

Capacity:
Table 3.4

$$\begin{aligned}
 f_{vk} &= 0.5f_{vko} + 0.4 \sigma_d \leq 0.045f_b \\
 f_{vko} &= 0.2 \text{ N/mm}^2 \quad (1) \\
 0.045f_b &= 2.25 \text{ N/mm}^2
 \end{aligned}$$

Determine σ_d for panel section

$$\begin{aligned}
 \text{Force} &= \text{Unit Weight} \times \text{Cross section area} \times \text{height} \\
 \text{Force} &= 424 \text{ kN} \\
 \text{Cross section Area} &= 0.7538 \text{ m}^2 \\
 \text{Actual } \sigma_d &= 0.5625 \text{ N/mm}^2 \\
 f_{vk} &= 0.425 \text{ N/mm}^2 \\
 \text{FOS} &= 2.0 \text{ N/mm}^2
 \end{aligned}$$

| | | | |
|----------------------------------------------------------------|-----------------|-------|----------------------|
| Calculations | Office: London | | Project No: WIE10667 |
| Job Title: Stag Brewery - Mortlake | Prepared by: VB | Date: | |
| Calculations Title: Maltings Building External Wall Assessment | Checked by: | Date: | |

Checks in accordance with BD 21/01

Since the structure would have been designed and constructed prior to the introduction of the Eurocodes an additional check will be carried out in accordance with BD 21/01.

Section 7.16 states that assessments are to be carried out in accordance with BS 5628.

Table 3 of BS 5628 presents the same values as Table NA.6 of BS EN 1996-1-1:2005 as such the same Characteristic flexural strength of masonry will be adopted.

Flexural strength

Characteristic flexural strength of = 0.5 N/mm²
masonry, f_{kx}

32.5.3 flexural resistance = $(f_{kx}/\gamma_m + g_d)$ N/mm²

table 4

$$\gamma_m = 2.5$$

g_d = design vertical dead load per unit area

The design vertical load per unit area is equivalent to the EC6 σ_d calculation.

$$\text{flexural strength} = 0.76 \text{ N/mm}^2$$

Characteristic shear strength

The characteristic shear strength of the masonry is determined in accordance with BS 5628 cl 21.1.1

$$f_v = f_{vk0} + 0.6g_a < 1.4 \text{ N/mm}^2$$

cl 21.1.2 (c)

$$f_{vk0} = 0.15 \text{ N/mm}^2$$

g_a = design vertical load per unit area

The design vertical load per unit area is equivalent to the EC6 σ_d calculation.

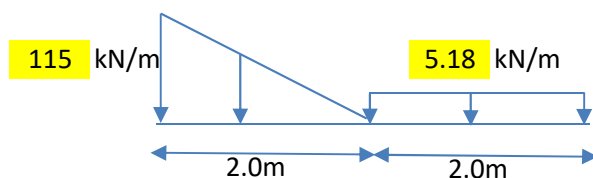
$$g_a = 0.56 \text{ N/mm}^2$$

$$f_v = 0.49 \text{ N/mm}^2$$

Applied loads

In accordance with clause 18 of BS 5628 consider the applied loading to be equal to 1.2Gk+1.2Qk+1.2Wk where Gk, Qk and Wk are equal to design dead, imposed and wind loads. For the raised flood level case the dead load is not applicable for assessing flexure and shear.

Loading Diagram



| | | | |
|----------------------------------------------------------------|-----------------|-------|----------------------|
| Calculations | Office: London | | Project No: WIE10667 |
| Job Title: Stag Brewery - Mortlake | Prepared by: VB | Date: | |
| Calculations Title: Maltings Building External Wall Assessment | Checked by: | Date: | |

-Staad pro results:

$$M = 57 \text{ kNm}$$

$$V = 115 \text{ kN}$$

Capacity Checks

Bending:

$$\text{Applied bending Stress} = M/Z$$

$$\text{Applied bending Stress} = 0.35 \text{ N/mm}^2$$

$$\text{Capacity} = 0.76 \text{ N/mm}^2$$

$$\text{FOS} = 2.2$$

Shear:

$$\text{Applied shear stress} = \text{Shear force} / \text{cross section}$$

$$\text{Applied shear stress} = 0.26 \text{ N/mm}^2$$

$$\text{Capacity} = 0.49 \text{ N/mm}^2$$

$$\text{FOS} = 1.91$$

FOS Summary

| | Bending | Shear |
|----------|---------|-------|
| EC 6 | 2.7 | 2.0 |
| BD 21/01 | 2.2 | 1.9 |



C. Column Analysis Model Input and Output

Appendices



Software licensed to

Job No
WIE106687

Sheet No
1

Rev
0

Job Title **Stag Brewery**

Part

Ref

By **VB** Date **24-APR-17** Chd

Client **Darmouth Capital Investors Ltd**

File **Check.std**

Date/Time **02-Jun-2017 15:27**

Job Information

| | Engineer | Checked | Approved |
|-------|-----------|---------|----------|
| Name: | VB | | |
| Date: | 24-APR-17 | | |

Structure Type | SPACE FRAME

| | | | |
|--------------------|---|--------------|---|
| Number of Nodes | 2 | Highest Node | 2 |
| Number of Elements | 1 | Highest Beam | 1 |

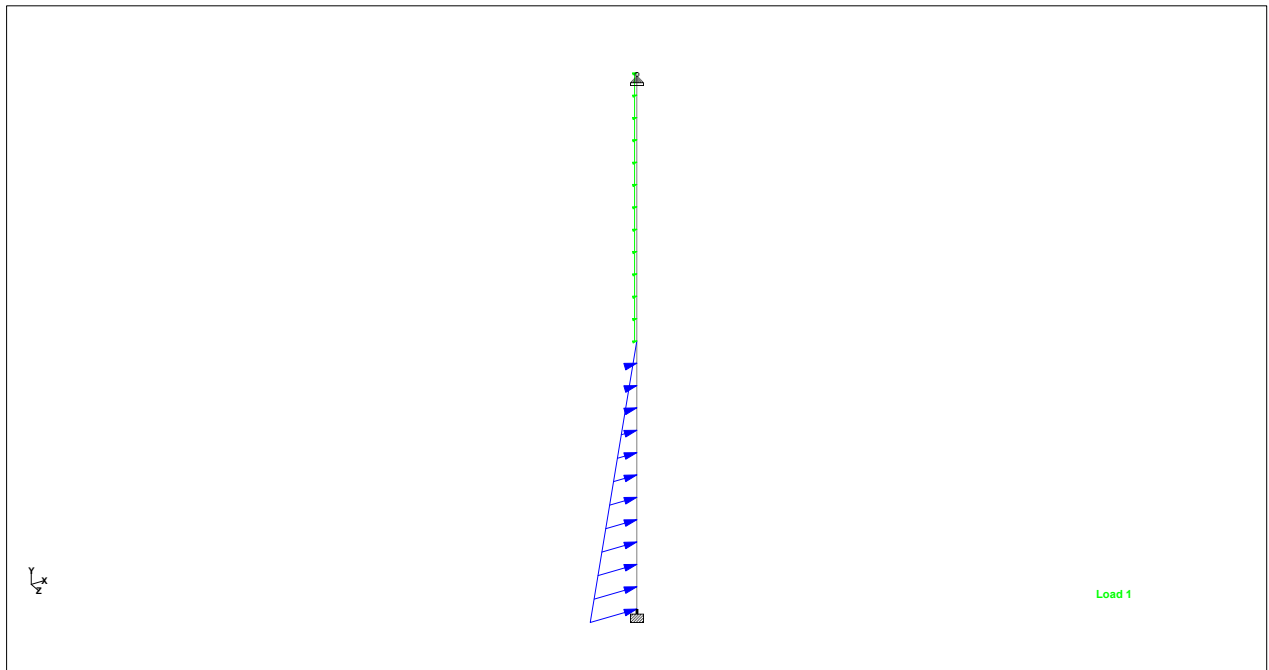
| | |
|----------------------------------|---|
| Number of Basic Load Cases | 2 |
| Number of Combination Load Cases | 0 |

Included in this printout are data for:

| | |
|-----|---------------------|
| All | The Whole Structure |
|-----|---------------------|

Included in this printout are results for load cases:

| Type | L/C | Name |
|---------|-----|-------------|
| Primary | 1 | LOAD CASE 1 |
| Primary | 2 | LOAD CASE 2 |



Whole Structure (Input data was modified after picture taken)

Nodes

| Node | X (m) | Y (m) | Z (m) |
|------|-------|-------|-------|
| 1 | 0.000 | 0.000 | 0.000 |
| 2 | 0.000 | 4.000 | 0.000 |



Software licensed to

Job No
WIE106687Sheet No
2Rev
0

Part

Job Title **Stag Brewery**

Ref

By **VB**Date **24-APR-17**

Chd

Client **Darmouth Capital Investors Ltd**File **Check.std**Date/Time **02-Jun-2017 15:27**

Beams

| Beam | Node A | Node B | Length (m) | Property | β (degrees) |
|------|--------|--------|---------------|----------|----------------------|
| 1 | 1 | 2 | 4.000 | 1 | 0 |

Supports

| Node | X (kN/mm) | Y (kN/mm) | Z (kN/mm) | rX (kN·m/deg) | rY (kN·m/deg) | rZ (kN·m/deg) |
|------|--------------|--------------|--------------|------------------|------------------|------------------|
| 1 | Fixed | Fixed | Fixed | Fixed | Fixed | Fixed |
| 2 | Fixed | Fixed | Fixed | - | - | - |

Primary Load Cases

| Number | Name | Type |
|--------|-------------|------|
| 1 | LOAD CASE 1 | None |
| 2 | LOAD CASE 2 | None |

Beam End Forces

Sign convention is as the action of the joint on the beam.

| Beam | Node | L/C | Axial | | | Shear | | | Torsion | Bending | |
|------|------|-------------|------------|------------|------------|-------------|-------------|-------------|---------|---------|--|
| | | | Fx (kN) | Fy (kN) | Fz (kN) | Mx (kNm) | My (kNm) | Mz (kNm) | | | |
| 1 | 1 | 1:LOAD CASE | 0.000 | 93.675 | 0.000 | 0.000 | 0.000 | 0.000 | 46.099 | | |
| | | 2:LOAD CASE | 0.000 | 115.081 | 0.000 | 0.000 | 0.000 | 56.589 | | | |
| | 2 | 1:LOAD CASE | 0.000 | 10.925 | 0.000 | 0.000 | 0.000 | 0.000 | | | |
| | | 2:LOAD CASE | 0.000 | 13.319 | 0.000 | 0.000 | 0.000 | 0.000 | | | |

Beam Maximum Moments

Distances to maxima are given from beam end A.

| Beam | Node A | Length (m) | L/C | | d (m) | Max My (kNm) | d (m) | Max Mz (kNm) |
|------|--------|---------------|-------------|---------|----------|-----------------|----------|-----------------|
| 1 | 1 | 4.000 | 1:LOAD CASE | Max +ve | 0.000 | 0.000 | 0.000 | 46.099 |
| | | | | Max -ve | 0.000 | 0.000 | 1.667 | -13.729 |
| | | | 2:LOAD CASE | Max +ve | 0.000 | 0.000 | 0.000 | 56.589 |
| | | | | Max -ve | 0.000 | 0.000 | 1.667 | -16.848 |

Beam Maximum Shear Forces

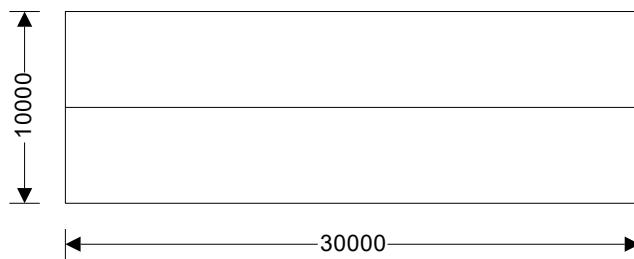
Distances to maxima are given from beam end A.

| Beam | Node A | Length (m) | L/C | | d (m) | Max Fz (kN) | d (m) | Max Fy (kN) |
|------|--------|---------------|-------------|---------|----------|----------------|----------|----------------|
| 1 | 1 | 4.000 | 1:LOAD CASE | Max +ve | 0.000 | 0.000 | 0.000 | 93.675 |
| | | | | Max -ve | 0.000 | 0.000 | 4.000 | -10.925 |
| | | | 2:LOAD CASE | Max +ve | 0.000 | 0.000 | 0.000 | 115.081 |
| | | | | Max -ve | 0.000 | 0.000 | 4.000 | -13.319 |

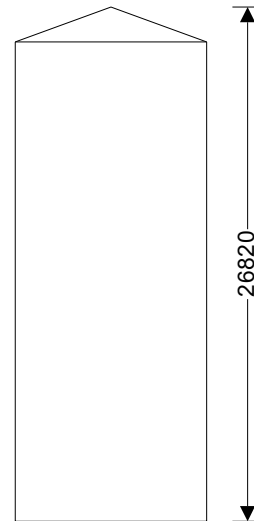
| | | | | | |
|---------------------------|--------------------------|------------|--------------|------------------------------|---------------|
| Project Stag Brewery | | | | Job no. WIE10667 | |
| Calcs for Wind Loading | | | | Start page no./Revision 1 | |
| Calcs by VB | Calcs date 14/02/2017 | Checked by | Checked date | Approved by | Approved date |

WIND LOADING (EN1991-1-4)

TEDDS calculation version 3.0.16



Plan



Elevation

Building data

| | |
|--------------------|--------------------------------|
| Type of roof | Duopitch |
| Length of building | L = 30000 mm |
| Width of building | W = 10000 mm |
| Height to eaves | H = 25000 mm |
| Pitch of roof | $\alpha_0 = \mathbf{20.0}$ deg |
| Total height | h = 26820 mm |

Basic values

| | |
|----------------------------------|-----------------------------------------------------------------------------------------------|
| Location | London |
| Wind speed velocity (FigureNA.1) | $V_{b,map} = \mathbf{21.4}$ m/s |
| Distance to shore | $L_{shore} = \mathbf{66.00}$ km |
| Altitude above sea level | $A_{alt} = \mathbf{8.0}$ m |
| Altitude factor | $C_{alt} = A_{alt} \times 0.001m^{-1} + 1 = \mathbf{1.008}$ |
| Fundamental basic wind velocity | $V_{b,0} = V_{b,map} \times C_{alt} = \mathbf{21.6}$ m/s |
| Direction factor | $C_{dir} = \mathbf{1.00}$ |
| Season factor | $C_{season} = \mathbf{1.00}$ |
| Shape parameter K | $K = \mathbf{0.2}$ |
| Exponent n | $n = \mathbf{0.5}$ |
| Probability factor | $C_{prob} = [(1 - K \times \ln(-\ln(1-p)))/(1 - K \times \ln(-\ln(0.98)))]^n = \mathbf{1.00}$ |
| Basic wind velocity (Exp. 4.1) | $V_b = C_{dir} \times C_{season} \times V_{b,0} \times C_{prob} = \mathbf{21.6}$ m/s |
| Reference mean velocity pressure | $q_b = 0.5 \times \rho \times v_b^2 = \mathbf{0.285}$ kN/m ² |

Orography

| | |
|--------------------------------------------------|------------------|
| Orography factor not significant | $c_o = 1.0$ |
| Terrain category | Town |
| Displacement height (sheltering effect excluded) | $h_{dis} = 0$ mm |



Waterman Infrastructure &
Environment
Clink Street
Pickfords Wharf

| | | | | | |
|---------------|--------------------------|------------|--------------|------------------------------|---------------|
| Project | | | | Job no. | |
| Calcs for | | | | Start page no./Revision 2 | |
| Calcs by C | Calcs date 14/02/2017 | Checked by | Checked date | Approved by | Approved date |

The velocity pressure for the windward face of the building with a 0 degree wind is to be considered as 1 part as the height h is less than b (cl.7.2.2)

Peak velocity pressure - windward wall - Wind 0 deg

Reference height (at which q is sought) $z = 25000\text{mm}$
 Displacement height (sheltering effects excluded) $h_{dis} = 0\text{ mm}$
 Exposure factor (Figure NA.7) $C_e = 2.96$
 Exposure correction factor (Figure NA.8) $C_{e,T} = 1.00$
 Peak velocity pressure $q_p = C_e \times C_{e,T} \times q_b = 0.84\text{ kN/m}^2$

Structural factor

Structural damping $\delta_s = 0.100$
 Height of element $h_{part} = 25000\text{ mm}$
 Size factor (Table NA.3) $C_s = 0.892$
 Dynamic factor (Figure NA.9) $C_d = 1.000$
 Structural factor $C_s C_d = C_s \times C_d = 0.892$

Peak velocity pressure - roof

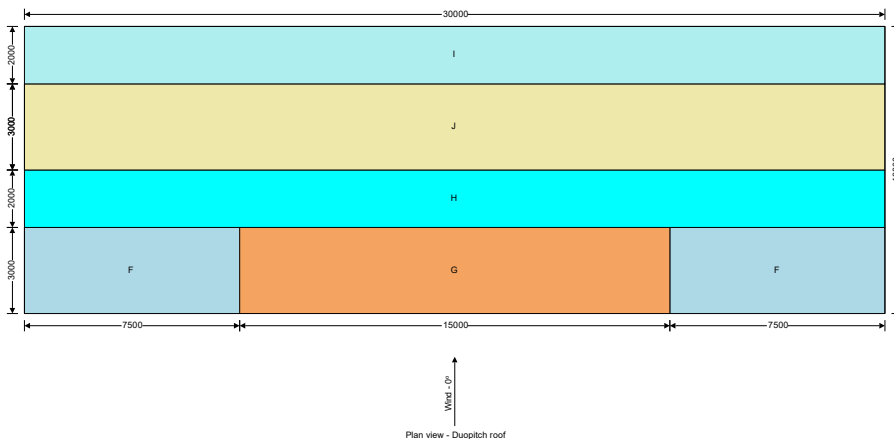
Reference height (at which q is sought) $z = 26820\text{mm}$
 Displacement height (sheltering effects excluded) $h_{dis} = 0\text{ mm}$
 Exposure factor (Figure NA.7) $C_e = 3.01$
 Exposure correction factor (Figure NA.8) $C_{e,T} = 1.00$
 Peak velocity pressure $q_p = C_e \times C_{e,T} \times q_b = 0.86\text{ kN/m}^2$

Structural factor - roof 0 deg

Structural damping $\delta_s = 0.100$
 Height of element $h_{part} = 26820\text{ mm}$
 Size factor (Table NA.3) $C_s = 0.893$
 Dynamic factor (Figure NA.9) $C_d = 1.000$
 Structural factor $C_s C_d = C_s \times C_d = 0.893$

Peak velocity pressure for internal pressure

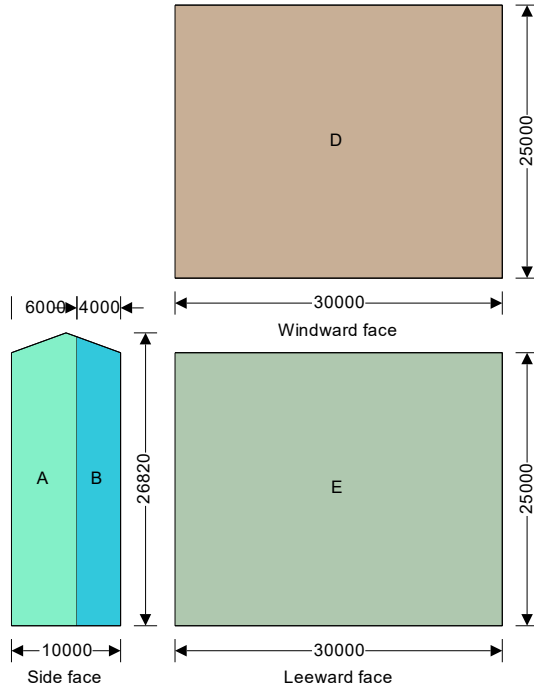
Peak velocity pressure – internal (as roof press.) $q_{p,i} = 0.86\text{ kN/m}^2$





Waterman Infrastructure &
Environment
Clink Street
Pickfords Wharf

| | | | | | |
|---------------|--------------------------|------------|--------------|------------------------------|---------------|
| Project | | | | Job no. | |
| Calcs for | | | | Start page no./Revision 3 | |
| Calcs by C | Calcs date 14/02/2017 | Checked by | Checked date | Approved by | Approved date |



UK and Ireland Office Locations



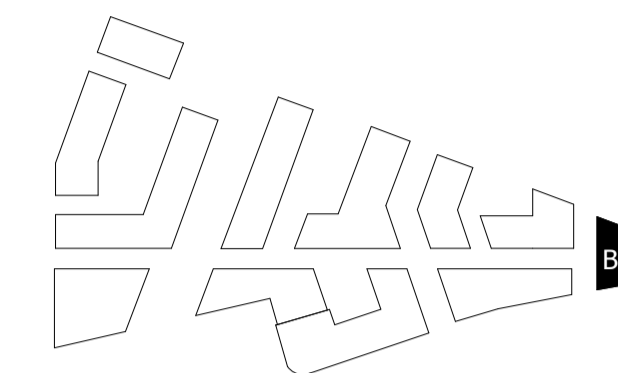
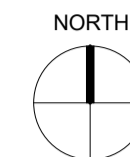


F. Boat House Drawings

NOTES:

DO NOT SCALE FROM THIS DRAWING. ALL DIMENSIONS TO BE CHECKED ON SITE. ALL OMISSIONS AND DISCREPANCIES TO BE REPORTED TO THE ARCHITECT IMMEDIATELY.

ALL RIGHTS RESERVED. THIS WORK IS COPYRIGHT AND CANNOT BE REPRODUCED OR COPIED OR MODIFIED IN ANY FORM OR BY ANY MEANS, GRAPHIC ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING WITHOUT THE WRITTEN PERMISSION OF SQUIRE AND PARTNERS ARCHITECTS.



KEY

- 01. BRICK WALLS
- 02. METAL CLAD ROOF
- 03. HORIZONTAL CONCRETE BAND
- 04. CLEAR GLAZING WITH GREY PPC ALUMINIUM FRAMES
- 05. CLEAR GLAZING WITH BRONZE ANODIZED ALUMINIUM FRAMES
- 06. GLASS BALUSTRADE
- 07. METAL BALUSTRADE
- 08. TEXTURED BRICK DETAIL
- 09. PROFILED METAL CLADDING
- 10. BRONZE ANODIZED ALUMINIUM PROFILE
- 11. COLOURED MOSAIC TILES
- 12. CURTAIN WALL
- 13. PRE-CAST CONCRETE CLADDING
- 14. DECORATIVE FRIEZE
- 15. FASCIA SIGNAGE
- 16. OBSCURE GLAZING
- 17. ANODIZED ALUMINIUM VENTILATION GRILLS



| | | | |
|----------------------------------|----------|----|---|
| HYBRID APPLICATION - DRAFT | 26/02/22 | BJ | D |
| GLA SUBMISSION | 27/04/20 | BJ | C |
| DRAFT GLA SUBMISSION | 24/01/20 | KH | B |
| FINAL DRAFT PLANNING APPLICATION | 21/10/19 | KH | A |
| LEGAL REVIEW | 13/09/19 | KH | - |

| Revision description | Date | Check | Rev |
|----------------------|------|-------|-----|
|----------------------|------|-------|-----|

SQUIRE & PARTNERS

The Department Store
248 Ferndale Road London SW9 8FR
T: 020 7278 5555 F: 020 7239 0495

info@squireandpartners.com
www.squireandpartners.com

Project

Stag Brewery
Richmond

Drawing

BUILDING 09 - PROPOSED EAST
ELEVATION

| Drawn | Date | Scale |
|-------|----------|--------------------------|
| EmK | 13/09/19 | 1:100 @ A1 1:200 @ A3 |

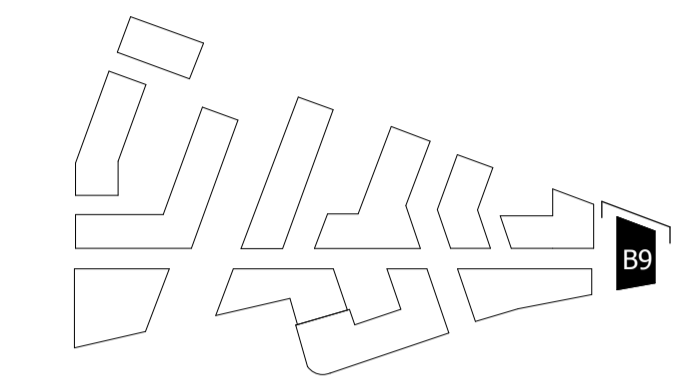
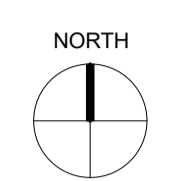
| Job Number | Drawing number | Revision |
|------------|------------------|----------|
| 18125 | C645_B09_E_E_001 | D |



NOTES:

DO NOT SCALE FROM THIS DRAWING. ALL DIMENSIONS TO BE CHECKED ON SITE. ALL OMISSIONS AND DISCREPANCIES TO BE REPORTED TO THE ARCHITECT IMMEDIATELY.

ALL RIGHTS RESERVED. THIS WORK IS COPYRIGHT AND CANNOT BE REPRODUCED OR COPIED OR MODIFIED IN ANY FORM OR BY ANY MEANS, GRAPHIC ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING WITHOUT THE WRITTEN PERMISSION OF SQUIRE AND PARTNERS ARCHITECTS.



KEY

- 01. BRICK WALLS
- 02. METAL CLAD ROOF
- 03. HORIZONTAL CONCRETE BAND
- 04. CLEAR GLAZING WITH GREY PPC ALUMINIUM FRAMES
- 05. CLEAR GLAZING WITH BRONZE ANODIZED ALUMINIUM FRAMES
- 06. GLASS BALUSTRADE
- 07. METAL BALUSTRADE
- 08. TEXTURED BRICK DETAIL
- 09. PROFILED METAL CLADDING
- 10. BRONZE ANODIZED ALUMINIUM PROFILE
- 11. COLOURED MOSAIC TILES
- 12. CURTAIN WALL
- 13. PRE-CAST CONCRETE CLADDING
- 14. DECORATIVE FRIEZE
- 15. FASCIA SIGNAGE
- 16. OBSCURE GLAZING
- 17. ANODIZED ALUMINIUM VENTILATION GRILLS



| Revision description | Date | Check | Rev |
|----------------------------------|----------|-------|-----|
| HYBRID APPLICATION - DRAFT | 26/02/22 | BJ | D |
| GLA SUBMISSION | 27/04/20 | BJ | C |
| DRAFT GLA SUBMISSION | 24/01/20 | KH | B |
| FINAL DRAFT PLANNING APPLICATION | 21/10/19 | KH | A |
| LEGAL REVIEW | 13/09/19 | KH | - |

SQUIRE & PARTNERS

The Department Store
248 Ferndale Road London SW9 8FR
T: 020 7278 5555 F: 020 7239 0495

info@squireandpartners.com
www.squireandpartners.com

Project
Stag Brewery
Richmond

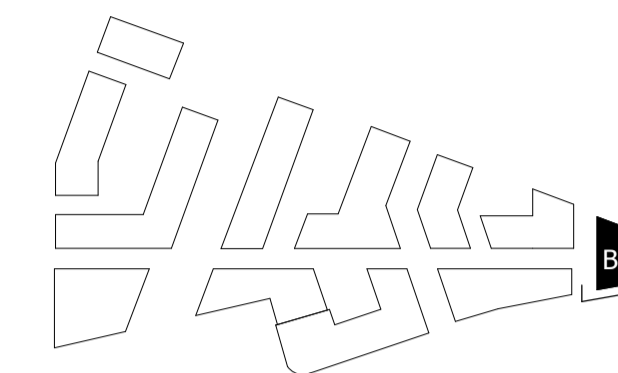
Drawing
BUILDING 09 - PROPOSED NORTH ELEVATION

| Drawn | Date | Scale |
|------------|------------------|--------------------------|
| EmK | 13/09/19 | 1:100 @ A1 1:200 @ A3 |
| Job Number | Drawing number | Revision |
| 18125 | C645_B09_E_N_001 | D |

NOTES:

DO NOT SCALE FROM THIS DRAWING. ALL DIMENSIONS TO BE CHECKED ON SITE. ALL OMISSIONS AND DISCREPANCIES TO BE REPORTED TO THE ARCHITECT IMMEDIATELY.

ALL RIGHTS RESERVED. THIS WORK IS COPYRIGHT AND CANNOT BE REPRODUCED OR COPIED OR MODIFIED IN ANY FORM OR BY ANY MEANS, GRAPHIC ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING WITHOUT THE WRITTEN PERMISSION OF SQUIRE AND PARTNERS ARCHITECTS.



KEY

- 01. BRICK WALLS
- 02. METAL CLAD ROOF
- 03. HORIZONTAL CONCRETE BAND
- 04. CLEAR GLAZING WITH GREY PPC ALUMINIUM FRAMES
- 05. CLEAR GLAZING WITH BRONZE ANODIZED ALUMINIUM FRAMES
- 06. GLASS BALUSTRADE
- 07. METAL BALUSTRADE
- 08. TEXTURED BRICK DETAIL
- 09. PROFILED METAL CLADDING
- 10. BRONZE ANODIZED ALUMINIUM PROFILE
- 11. COLOURED MOSAIC TILES
- 12. CURTAIN WALL
- 13. PRE-CAST CONCRETE CLADDING
- 14. DECORATIVE FRIEZE
- 15. FASCIA SIGNAGE
- 16. OBSCURE GLAZING
- 17. ANODIZED ALUMINIUM VENTILATION GRILLS



| Revision description | Date | Check | Rev |
|----------------------------------|----------|-------|-----|
| HYBRID APPLICATION - DRAFT | 26/02/22 | BJ | D |
| GLA SUBMISSION | 27/04/20 | BJ | C |
| DRAFT GLA SUBMISSION | 24/01/20 | KH | B |
| FINAL DRAFT PLANNING APPLICATION | 21/10/19 | KH | A |
| LEGAL REVIEW | 13/09/19 | KH | - |

SQUIRE & PARTNERS

The Department Store
248 Ferndale Road London SW9 8FR
T: 020 7278 5555 F: 020 7239 0495

info@squireandpartners.com
www.squireandpartners.com

Project

Stag Brewery
Richmond

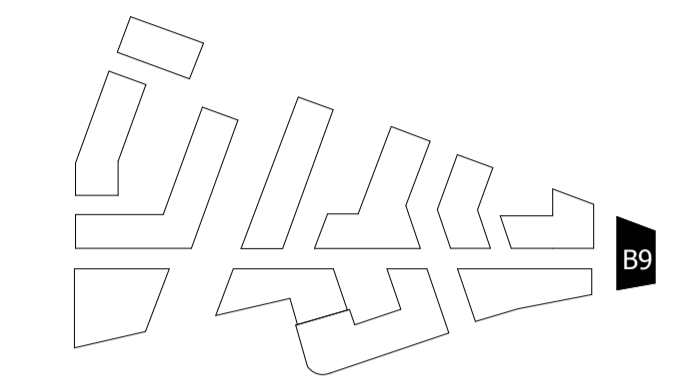
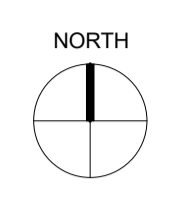
Drawing

BUILDING 09 - PROPOSED SOUTH
ELEVATION

| Drawn | Date | Scale | @ A1 |
|------------|------------------|----------|------|
| EmK | 13/09/19 | 1:100 | @ A1 |
| 18125 | C645_B09_E_S_001 | 1:200 | @ A3 |
| Job Number | Drawing number | Revision | |
| 18125 | C645_B09_E_S_001 | D | |



NOTES:
 DO NOT SCALE FROM THIS DRAWING. ALL DIMENSIONS TO BE CHECKED ON SITE. ALL OMISSIONS AND DISCREPANCIES TO BE REPORTED TO THE ARCHITECT IMMEDIATELY.
 ALL RIGHTS RESERVED. THIS WORK IS COPYRIGHT AND CANNOT BE REPRODUCED OR COPIED OR MODIFIED IN ANY FORM OR BY ANY MEANS, GRAPHIC ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING WITHOUT THE WRITTEN PERMISSION OF SQUIRE AND PARTNERS ARCHITECTS.

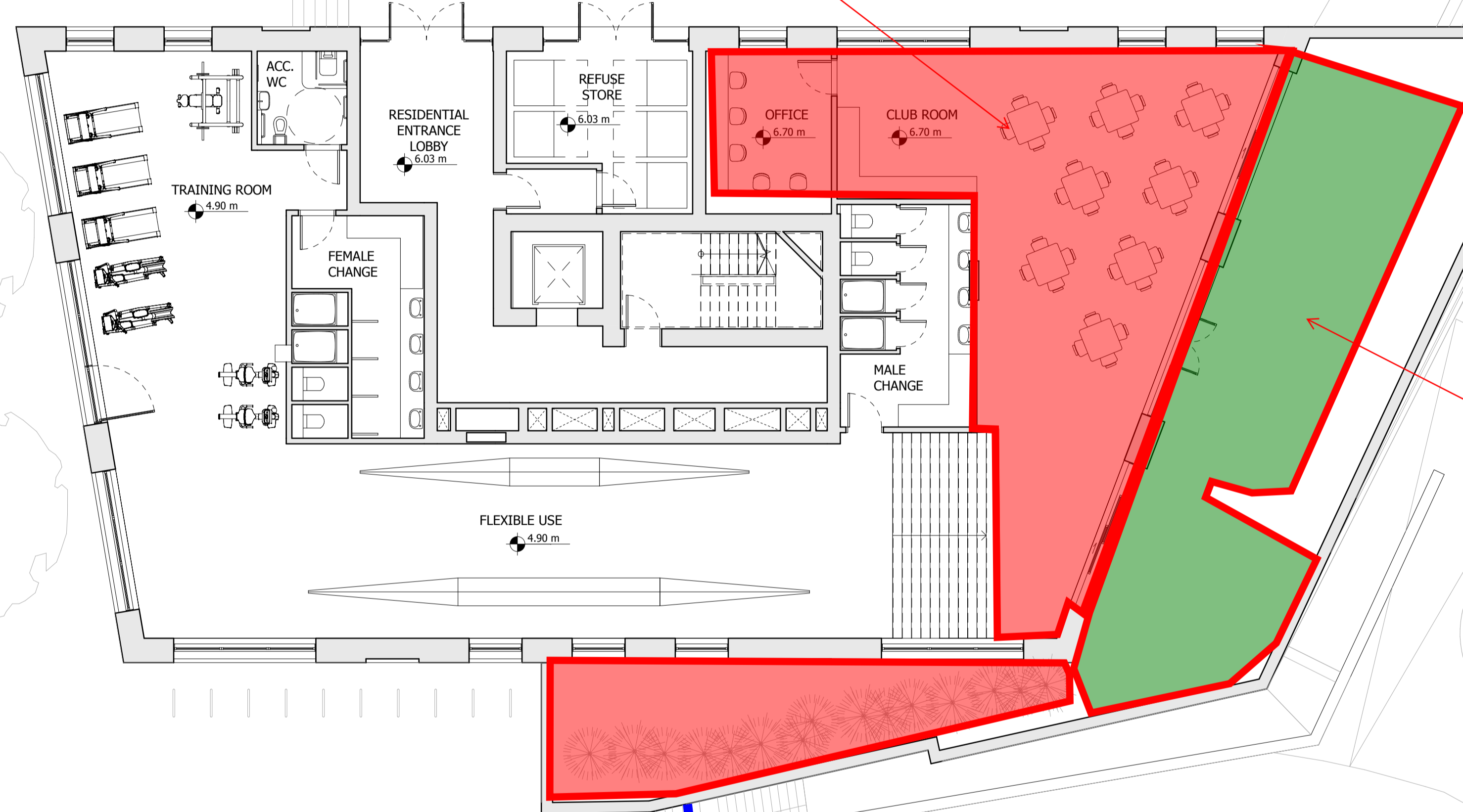


RED HATCHED AREA ALL RAISED TO 6.7m AOD

PROPOSED FLOOD DEFENCE AT 6.7m AOD

GREEN HATCHED AREA ALL RAISED TO 6.7m AOD, BUT VOID AREA BENEATH FOR STORAGE

EXISTING BULLS ALLEY DEFENCE



INTERNAL LAYOUTS SHOWN ILLUSTRATIVELY ONLY

| | | | |
|----------------------------------|----------|-------|-----|
| FINAL DRAFT HYBRID SUBMISSION | 07/01/22 | RKB | D |
| GLA SUBMISSION | 27/04/20 | BJ | C |
| DRAFT GLA SUBMISSION | 24/01/20 | KH | B |
| FINAL DRAFT PLANNING APPLICATION | 21/10/19 | KH | A |
| LEGAL REVIEW | 13/09/19 | KH | - |
| Revision description | Date | Check | Rev |

SQUIRE & PARTNERS

The Department Store
 248 Ferndale Road London SW9 8FR
 T: 020 7278 5555 F: 020 7239 0495

info@squireandpartners.com
 www.squireandpartners.com

Project
Stag Brewery
 Richmond

Drawing
BUILDING 09 - PROPOSED
GROUND FLOOR PLAN

| | | |
|------------|-------------------|--------------------------|
| Drawn | Date | Scale |
| EmK | 13/09/19 | 1:100 @ A1 1:200 @ A3 |
| Job Number | Drawing number | Revision |
| 18125 | C645_B09_P_00_001 | D |

