## SECTION A-A

+20
1800 -5
OVERCURB WIDTH

B

A

2

B

+10
1500 -5
SHAFT OPENING WIDTH

<2000
STEELWORK/TRIMMERS

## SECTION B-B

SHAFT DIVIDER
AND SUPPORT
BRACKETS
(BY OTHERS)

+20
1800 -5
OVERCURB LENGTH

C

A

C

A

A
+10
1500 -5
SHAFT OPENING LENGTH

STEELWORK
/TRIMMERS
(BY OTHERS)

<2000
STEELWORK/TRIMMERS

### DETAIL A
SCALE 1 : 5

50MM WEATHER LIP,
TYP. 12MM MARINE
PLYWOOD OR SIMILAR
FIXED TO INNER
SHAFT
(BY OTHERS)

UP-STAND
(BY OTHERS)

150
CURB

50

150 MIN
MIN CURB HEIGHT

ROOFING WATERPROOF
SINGLE PLY MEMBRANE
TYP. SARNAFIL
G410 OR SIMILAR BONDED
TO THE UP STAND
USING SARNACOL 2170
ADHESIVE OR SIMILAR
(BY OTHERS)

SHAFT INSULATION
TYP. 25-50MM PUR/PIR
INSULATION BOARD
(BY OTHERS)

### SECTION C-C
SCALE 1 : 20
SHAFT IN PLAN VIEW

+20
1800 -5  OVER CURB
+10
1500 -5  SHAFT OPENING
1200

1200
+10
1500 -5  SHAFT OPENING
+20
1800 -5  OVER CURB

DIVIDER SHOWN SPLIT
ACROSS SHAFT FOR EASE
OF INSTALLATION
(BY OTHERS)

CURB
(BY OTHERS)

### REVISIONS

| REV. | DESCRIPTION | DATE | DRAWN |
|---|---|---|---|
| 1 | ADDED WEIGHTS | 22/08/2016 | CC |

NOTES:

1. THE SIZING AND DETAILED DESIGN OF THE LOAD-BEARING SUPPORTS MUST BE SPECIFIED AND SIGNED OFF BY THE STRUCTURAL ENGINEER FOR THE PROJECT.
2. E-STACK UNIT SUPPLIED WITH 4 NO. FIXING BRACKETS.
3. ROOF PROFILES ARE INDICATIVE.
4. SHAFT DIVIDER INSULATION NOT REQUIRED.
5. SHAFT DIVIDER MUST PRESERVE AIR-SEPARATION FROM ROOF TERMINAL TO E-STACK.
6. BUILDERS TO CHECK STRUCTURAL OPENING DIMENSIONS AGAINST DRAWING AND REPORT TO BREATHING BUILDINGS IF NOT WITHIN TOLERANCES.
7. IF UNIT IS POSITIONED LESS THAN 2.7M ABOVE THE GROUND, FINGER GUARD GRILLES MUST BE SPECIFIED.
8. MUSHROOM ROOF TERMINAL UNITS MUST BE OFF-LOADED FROM DELIVERY WITH THE PROVIDED "SOFT EYED 6M E.W.L" WEBBING SLINGS S.W.L 1000KG.

MATERIAL:

FINISH

MASS WITHOUT PACKAGING
S1500L 131KG / TERMINAL 215KG

TOLERANCES EXCEPT WHERE OTHERWISE STATED

| | | |
|---|---|---|
| X | ± | 0.5MM |
| X.XX | ± | 0.05MM |
| ANGLES | ± | 0.5° |

SURFACE TEXTURE TO BE 1.6 UMRA OR BETTER

DE-BURR ALL SHARP EDGES AND HOLES
ITEM MUST BE FREE FROM SCRATCHES, DENTS AND OTHER BLEMISHES.

DIMENSIONS IN MILLIMETRES

**Breathing Buildings**

UNIT 3A, THE SHADE, SOHAM CB7 5HF
T: 01223 450060  F: 01223 450061
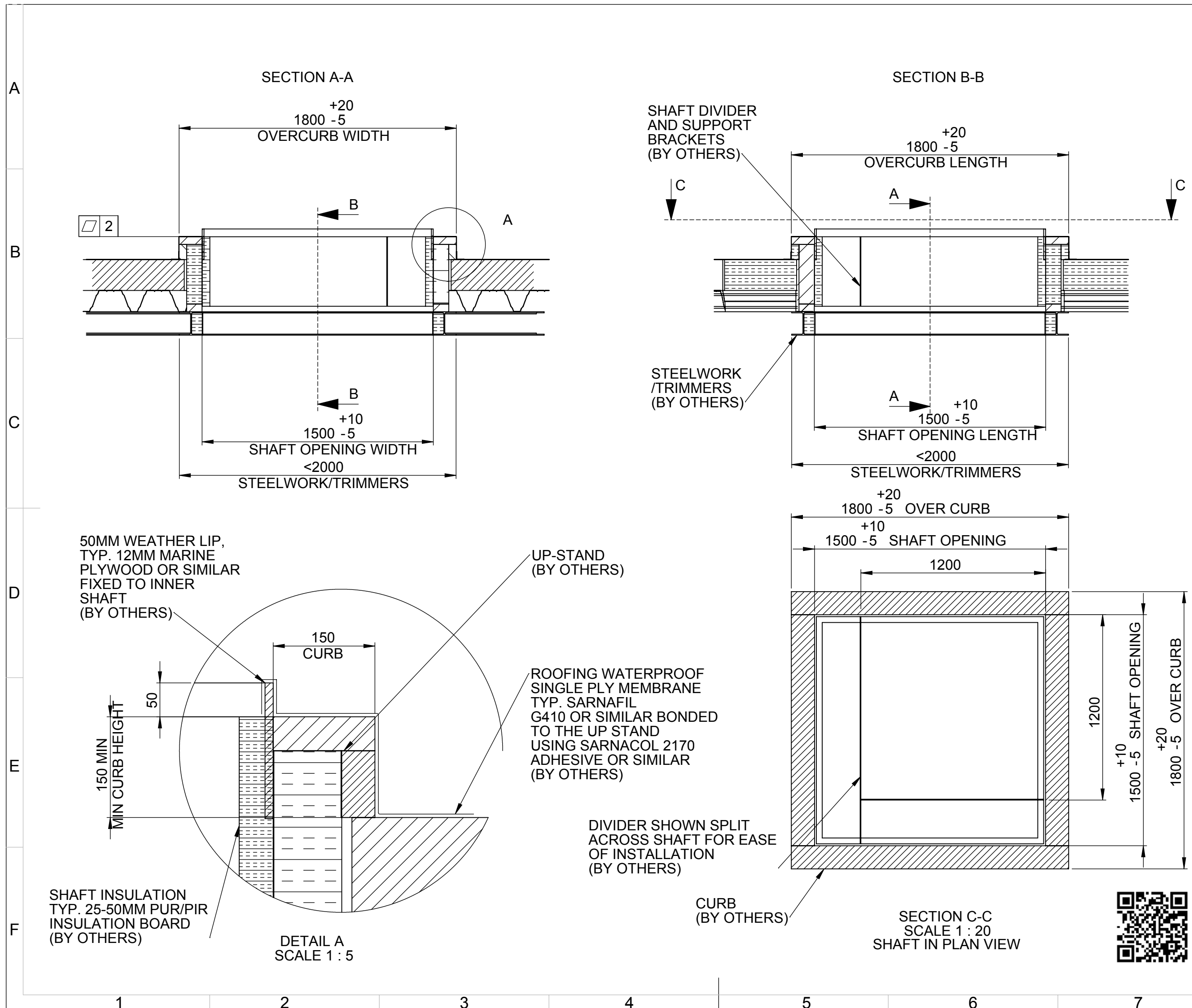www.breathingbuildings.com/products

TITLE:
S1500L E-STACK WITH
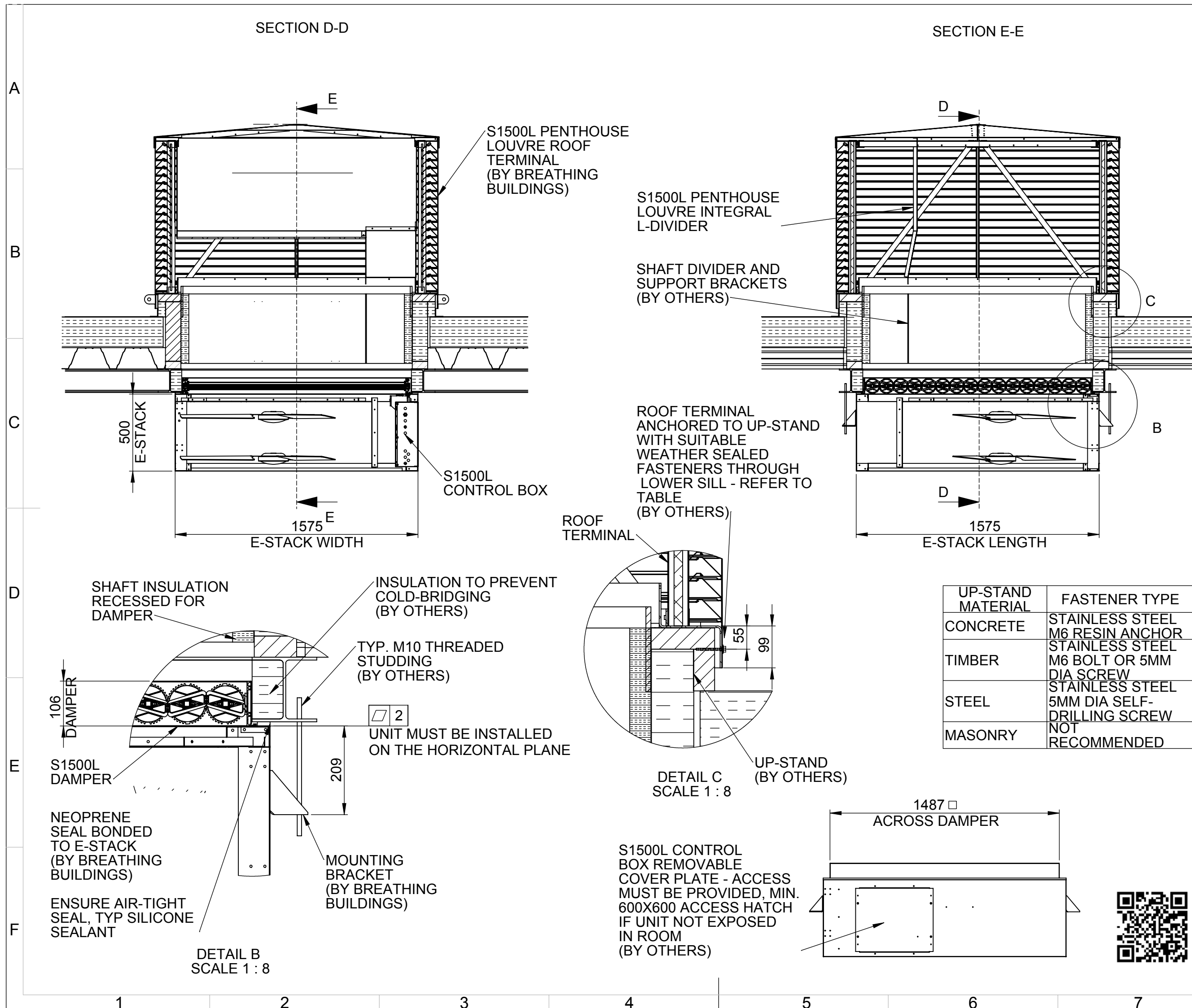PENTHOUSE LOUVRE ROOF
TERMINAL INSTALLATION GA

DRAWING NO:
1510_9003

| REV | DRAWN | DATE | CHK'D | DATE |
|---|---|---|---|---|
| 1 | CC | 22/08/2016 | | |

| SCALE 1:22 | A3 | SHEET 1 OF 3 |
|---|---|---|

1  2  3  4  5  6  7

SECTION D-D

SECTION E-E

E

E

S1500L PENTHOUSE
LOUVRE ROOF
TERMINAL
(BY BREATHING
BUILDINGS)

S1500L PENTHOUSE
LOUVRE INTEGRAL
L-DIVIDER

SHAFT DIVIDER AND
SUPPORT BRACKETS
(BY OTHERS)

500
E-STACK

ROOF TERMINAL
ANCHORED TO UP-STAND
WITH SUITABLE
WEATHER SEALED
FASTENERS THROUGH
LOWER SILL - REFER TO
TABLE
(BY OTHERS)

S1500L
CONTROL BOX

D

E

1575
E-STACK WIDTH

1575
E-STACK LENGTH

D

B

C

ROOF
TERMINAL

SHAFT INSULATION
RECESSED FOR
DAMPER

INSULATION TO PREVENT
COLD-BRIDGING
(BY OTHERS)

TYP. M10 THREADED
STUDDING
(BY OTHERS)

55

99

106
DAMPER

2

UNIT MUST BE INSTALLED
ON THE HORIZONTAL PLANE

209

| UP-STAND MATERIAL | FASTENER TYPE |
|---|---|
| CONCRETE | STAINLESS STEEL M6 RESIN ANCHOR |
| TIMBER | STAINLESS STEEL M6 BOLT OR 5MM DIA SCREW |
| STEEL | STAINLESS STEEL 5MM DIA SELF-DRILLING SCREW |
| MASONRY | NOT RECOMMENDED |

S1500L
DAMPER

NEOPRENE
SEAL BONDED
TO E-STACK
(BY BREATHING
BUILDINGS)

ENSURE AIR-TIGHT
SEAL, TYP SILICONE
SEALANT

MOUNTING
BRACKET
(BY BREATHING
BUILDINGS)

UP-STAND
(BY OTHERS)

DETAIL C
SCALE 1 : 8

DETAIL B
SCALE 1 : 8

1487 □
ACROSS DAMPER

S1500L CONTROL
BOX REMOVABLE
COVER PLATE - ACCESS
MUST BE PROVIDED, MIN.
600X600 ACCESS HATCH
IF UNIT NOT EXPOSED
IN ROOM
(BY OTHERS)

DO NOT SCALE

IF IN DOUBT, ASK!

NOTES:

1.    SEE SHEET 1.

MATERIAL:

FINISH

MASS WITHOUT PACKAGING
S1500L 131KG / TERMINAL 215KG

TOLERANCES EXCEPT WHERE OTHERWISE STATED

| | | |
|---|---|---|
| X | ± | 0.5MM |
| X.XX | ± | 0.05MM |
| ANGLES | ± | 0.5° |

SURFACE TEXTURE TO BE 1.6 UMRA OR BETTER

DE-BURR ALL SHARP EDGES AND HOLES
ITEM MUST BE FREE FROM SCRATCHES, DENTS AND
OTHER BLEMISHES.

DIMENSIONS IN MILLIMETRES

Breathing
Buildings

UNIT 3A, THE SHADE, SOHAM CB7 5HF
T: 01223 450060  F: 01223 450061
www.breathingbuildings.com/products

TITLE:

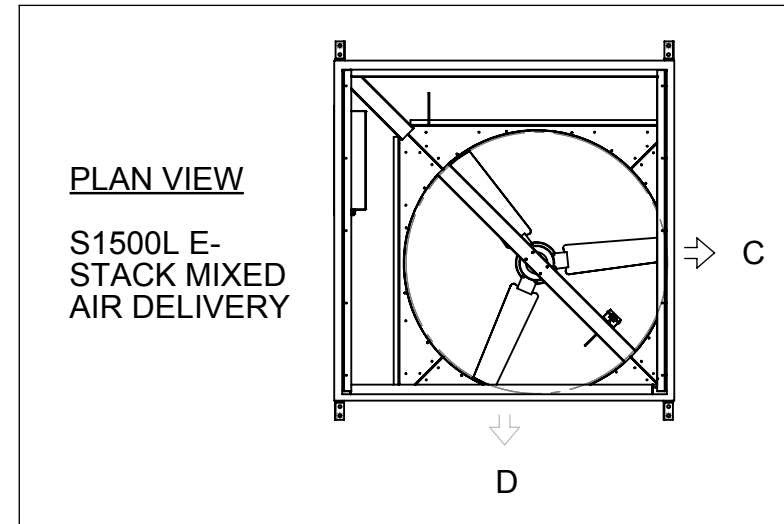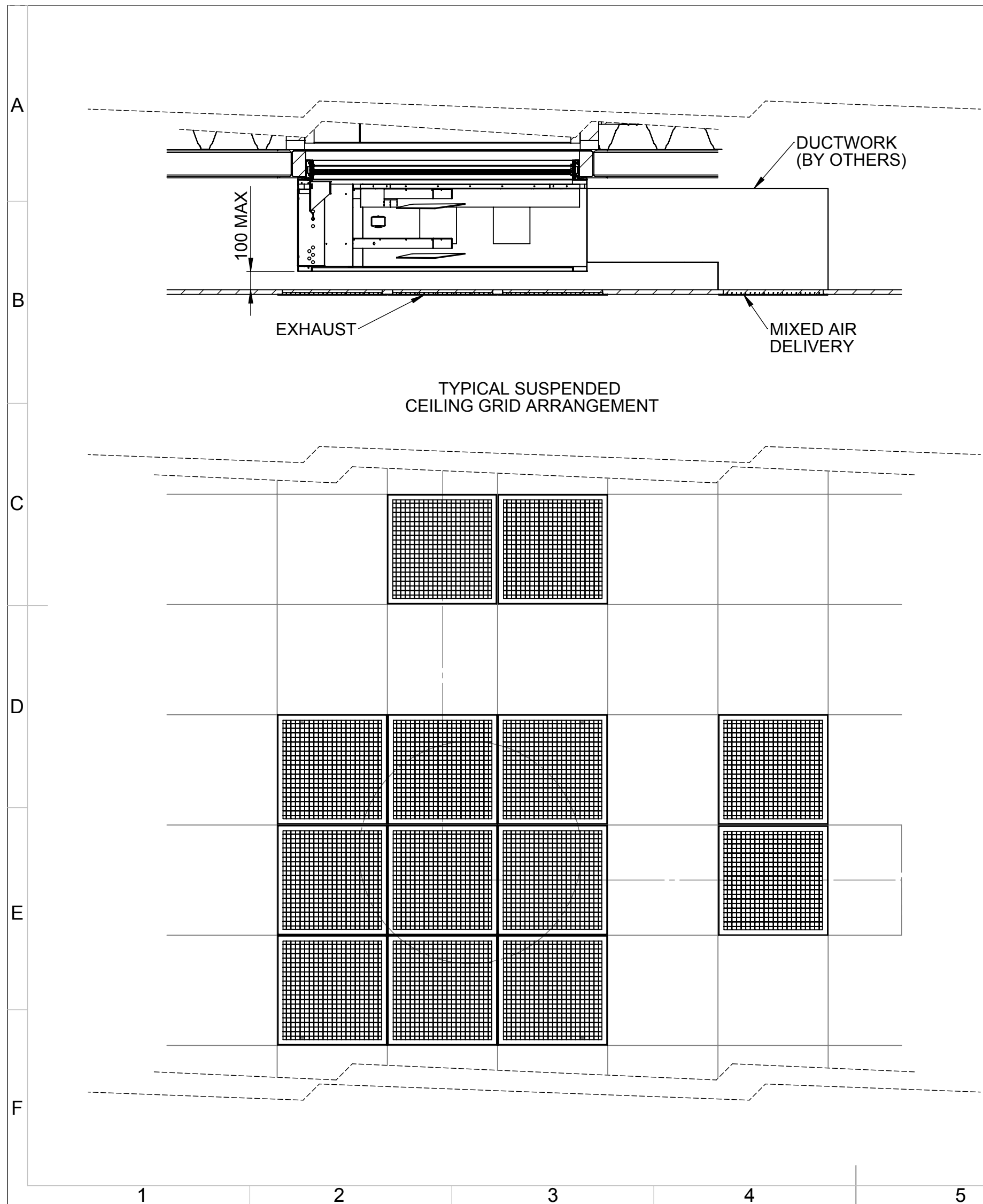S1500L E-STACK WITH
PENTHOUSE LOUVRE ROOF
TERMINAL INSTALLATION GA

DRAWING NO:

1510_9003

| REV | DRAWN | DATE | CHK'D | DATE |
|---|---|---|---|---|
| 1 | CC | 22/08/2016 | | |

| SCALE 1:22 | A3 | SHEET 2 OF 3 |
|---|---|---|

DUCTWORK
(BY OTHERS)

100 MAX

EXHAUST

MIXED AIR
DELIVERY

TYPICAL SUSPENDED
CEILING GRID ARRANGEMENT

PLAN VIEW

S1500L E-
STACK MIXED
AIR DELIVERY

C

D

| REVISIONS | | | |
|---|---|---|---|
| REV. | DESCRIPTION | DATE | APPROVED |
| - | See Sheet1 | - | - |

NOTES:

1. SEE SHEET 1.

| TYPE | POSITION | SIZE | QTY |
|---|---|---|---|
| EGG CRATE | MIXED AIR DELIVERY | 600X600 | 4 |
| EGG CRATE | EXHAUST | 600X600 | 9 |

FOR GRILLE DIRECT FIT TO E-STACK DETAIL,
SEE S1500L UNIT DRAWING

TIMBER BATTEN
(BY OTHERS)
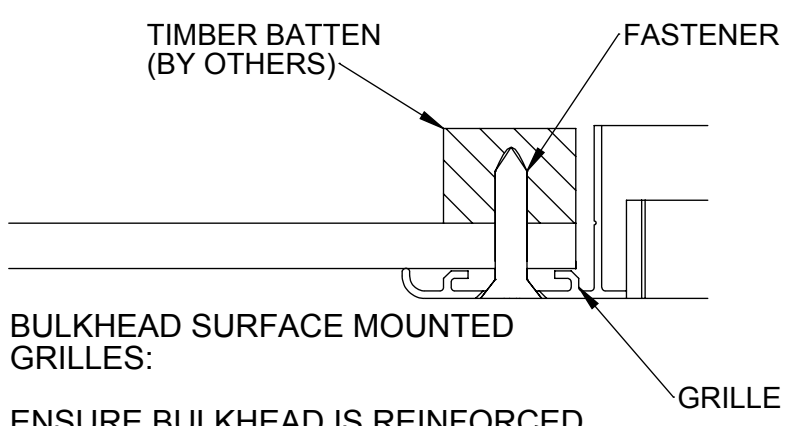
FASTENER

GRILLE

BULKHEAD SURFACE MOUNTED
GRILLES:

ENSURE BULKHEAD IS REINFORCED
SUFFICIENTLY AROUND PERIMETER
OF OPEN APERTURE FOR GRILLE
FASTENINGS, TYP. TIMBER BATTEN
(BY OTHERS)

MATERIAL:

FINISH

MASS WITHOUT PACKAGING
S1500L 131KG / TERMINAL 215KG

TOLERANCES EXCEPT WHERE OTHERWISE STATED

| X | ± | 0.5MM |
| X.XX | ± | 0.05MM |
| ANGLES | ± | 0.5° |

SURFACE TEXTURE TO BE 1.6 UMRA OR BETTER

DE-BURR ALL SHARP EDGES AND HOLES
ITEM MUST BE FREE FROM SCRATCHES, DENTS AND
OTHER BLEMISHES.

DIMENSIONS IN MILLIMETRES

**Breathing
Buildings**

UNIT 3A, THE SHADE, SOHAM CB7 5HF
T: 01223 450060  F: 01223 450061
www.breathingbuildings.com/products

TITLE:

S1500L E-STACK WITH
PENTHOUSE LOUVRE ROOF
TERMINAL INSTALLATION GA

DRAWING NO:

1510_9003

| REV | DRAWN | DATE | CHK'D | DATE |
|---|---|---|---|---|
| 1 | CC | 22/08/2016 | | |

| SCALE 1:22 | A3 | SHEET 3 OF 3 |