

## 7.1 APPENDIX: POST-FIRE PHOTOGRAPHIC SURVEY- INITIAL SITE VISIT

All following photographs belong to SLHA and are referenced to SLHA's office referencing system. This comprises of the date of photograph taken, site visit title and photo number. Full quality images can be provided if required. Please contact SLHA for more details.

The following photograph indicate the condition of the copper dome after the fire. Dates of visit:

- 15.01.20
- 20.02.20
- 13.02.20

### 1. NE view of collapsed copper roof cladding

- Reference Number:

SLHA 15.01.20 Initial Dome Inspection (7)

### 2. NW view of collapsed copper roof cladding

- Reference Number:

SLHA 15.01.20 Initial Dome Inspection (16)

### 3. Closer view of collapsed copper roof cladding

- Reference Number:

SLHA 20.01.20 Second Site Visit (8)

### 4. N view of collapsed copper roof cladding

- Reference Number:

SLHA 20.01.20 Second Site Visit (6)

### 5. Collapsed copper over wall boarding and perimeter ring

- Reference Number:

SLHA 20.01.20 Second Site Visit (9)

### 6. Inside view of collapsed copper roof cladding

- Reference Number:

SLHA 15.01.20 Initial dome Inspection (6)

### 7. Damaged copper roof cladding condition

- Reference Number:

SLHA 13.02.20 Pre Copper Removal \_ Inside Dome (58)

### 8. Damaged copper roof cladding with debris

- Reference Number:

SLHA 13.02.20 Pre Copper Removal \_ Inside Dome (57)

### 9. Damaged and collapsed copper roof cladding detailing

- Reference Number:

SLHA 13.02.20 Pre Copper Removal \_ Inside Dome (29)

### 10. Damaged and collapsed copper roof cladding detailing

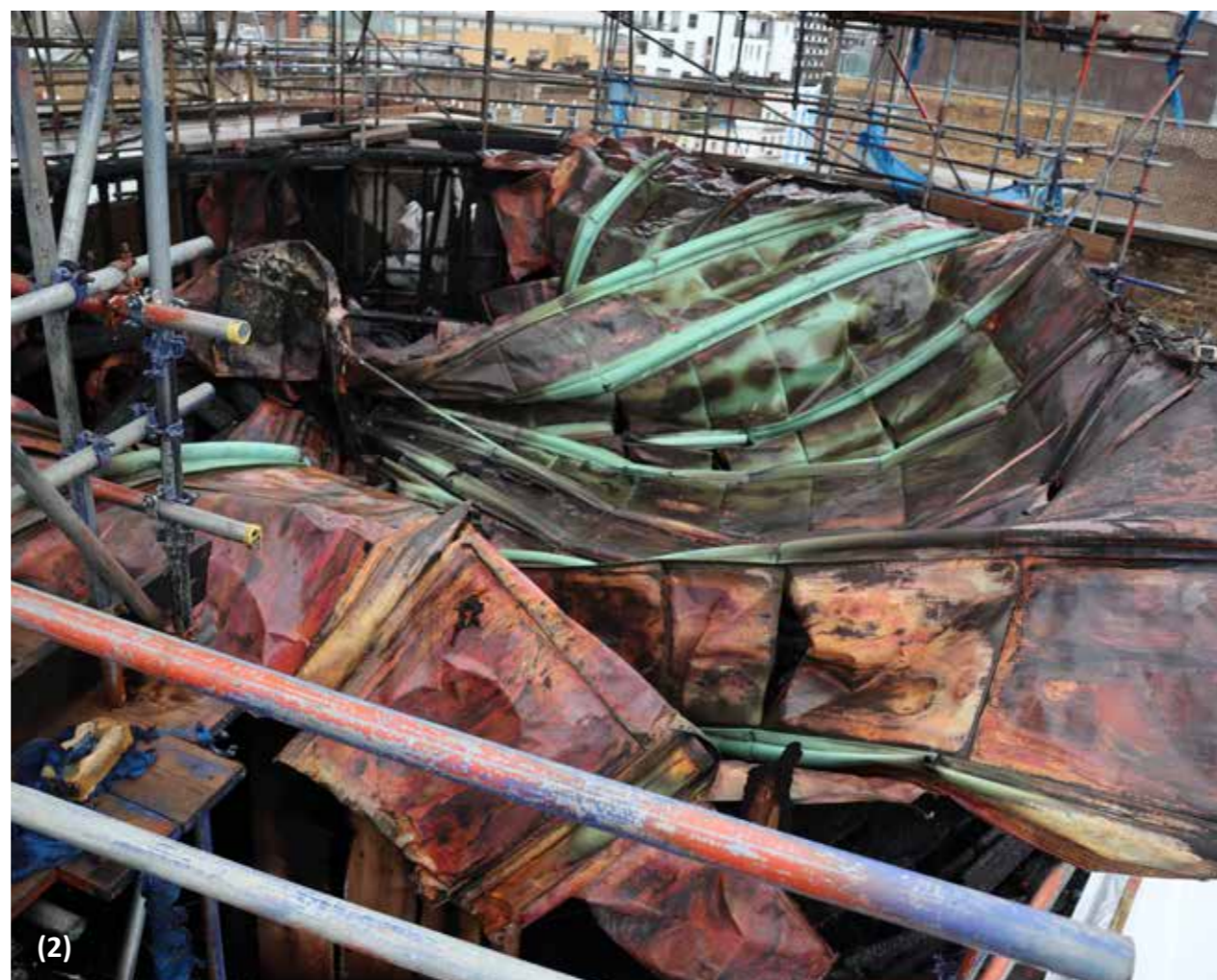
- Reference Number:

SLHA 13.02.20 Pre Copper Removal \_ Inside Dome (28)

### 11. Damaged and collapsed copper roof cladding detailing

- Reference Number:

SLHA 13.02.20 Pre Copper Removal \_ Inside Dome (33)





(6)



(9)



(10)



(7)



(8)



(11)

## 7.2 APPENDIX: POST-FIRE PHOTOGRAPHIC SURVEY- PRE-DEBRIS REMOVAL

The following photographs record the condition of the dome before the damaged cooper was removed.

Day of Visit: 13.02.2020

### 7.2.1 Inside Dome

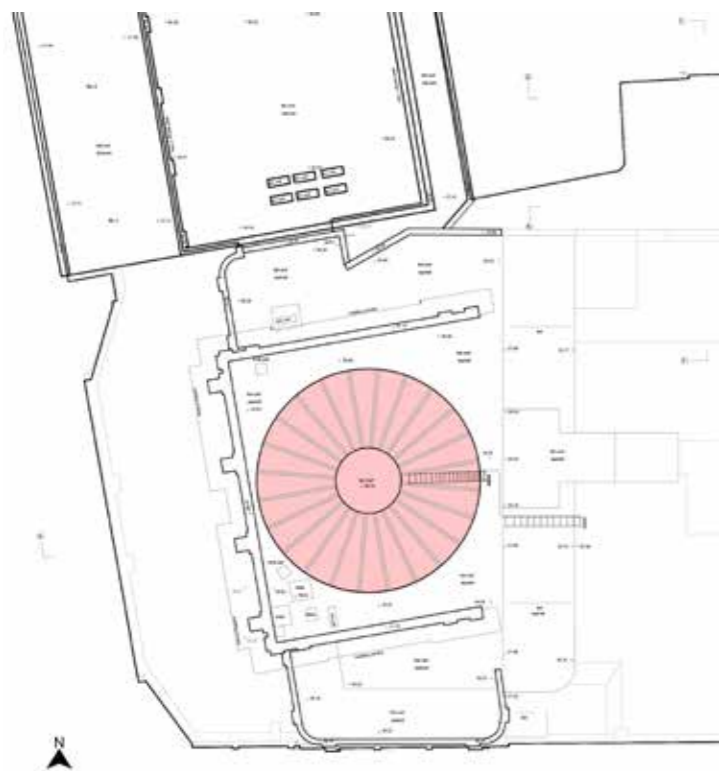


Figure 161: Roof plan (not to scale ) (2017) © AHA



#### 1. Copper roof sheet and debris at centre of dome

- Reference Number:

SLHA 13.02.20 Pre Copper Removal \_ Inside Dome (56)

#### 2. Damaged copper roof sheet facing N from centre of dome

- Reference Number:

SLHA 13.02.20 Pre Copper Removal \_ Inside Dome (57)

#### 3. Charred timbers and Copper roof sheet at centre of dome

- Reference Number:

SLHA 13.02.20 Pre Copper Removal \_ Inside Dome (46)

#### 4. Charred timber on perimeter ring of the dome

- Reference Number:

SLHA 13.02.20 Pre Copper Removal \_ Inside Dome (50)

#### 5. Charred timbers facing W at centre of dome

- Reference Number:

SLHA 13.02.20 Pre Copper Removal \_ Inside Dome (66)

continued...

## 6.2.1 Inside Dome

continued...

### 6. Charred timbers

- Reference Number:

SLHA 13.02.20 Pre Copper Removal \_ Inside Dome (21)

### 7. Charred main support post with braces and upper rafter plate

- Reference Number:

SLHA 13.02.20 Pre Copper Removal \_ Inside Dome (27)

### 8. Charred timbers on NE wall structure of the perimeter ring

- Reference Number:

SLHA 13.02.20 Pre Copper Removal \_ Inside Dome (60)

### 9. Charred timbers on S wall structure of the perimeter ring

- Reference Number:

SLHA 13.02.20 Pre Copper Removal \_ Inside Dome (64)

### 10. Charred upper rafter plate and horizontal rafter wall tie

- Reference Number:

SLHA 15.01.20 Initial Dome Inspection (7)

### 11. Charred timbers on SW wall structure of the perimeter ring

- Reference Number:

SLHA 15.01.20 Initial Dome Inspection (16)



## 7. APPENDIX: POST-FIRE PHOTOGRAPHIC SURVEY- PRE-DEBRIS REMOVAL

The following photographs records the South section of the dome. Please refer to the plan below to identify the section of the dome. The photographs include area inside and outside the dome.

Day of Visit: 13.02.2020

### 7.2.2 Section 3: South (S)

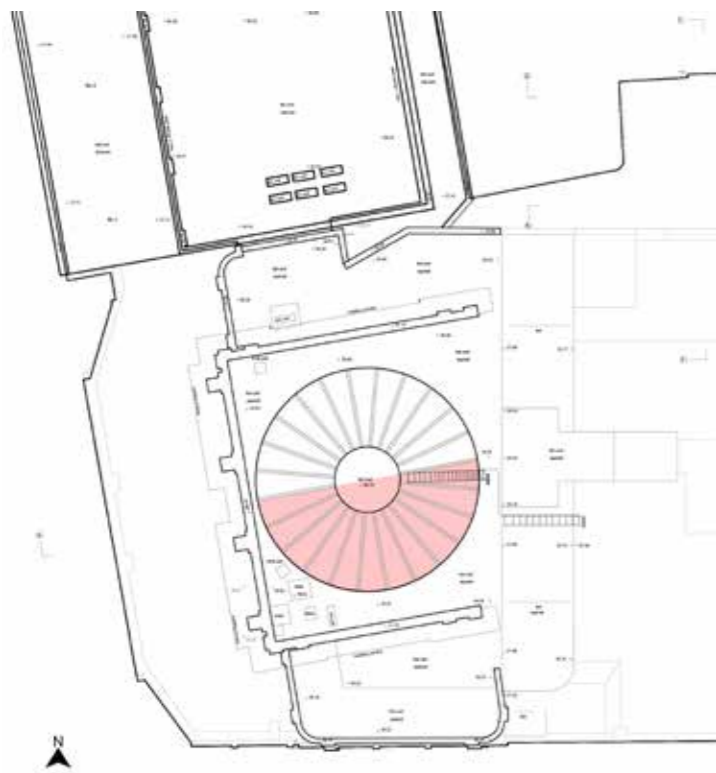


Figure 162: Roof plan (not to scale) (2017) © AHA



**1. Charred upper wall plate and horizontal rafter wall tie**

- Reference Number:

SLHA 13.02.2020 S Section 2 (30)

**2. SE corner by brick wall and piers on W side of building**

- Reference Number:

SLHA 13.02.2020 S Section 2 (21)

**3. Collapsed and discoloured cooper roof cladding**

- Reference Number:

SLHA 13.02.2020 S Section 2 (40)

**4. Charred W wall structure**

- Reference Number:

SLHA 13.02.2020 S Section 2 (34)

**5. Debris over hatch on W side of building**

- Reference Number:

SLHA 13.02.2020 S Section 2 (44)

continued..

## 7.2.2 South (S)

continued...

### 6. Coping on the W brick wall of roof

- Reference Number:

SLHA 13.02.2020 S Section 2 (23)

### 7. N view of collapsed copper over the W wall of the perimeter ring

- Reference Number:

SLHA 13.02.2020 S Section 2 (4)

### 8. Inside view of the debris from SE corner

- Reference Number:

SLHA 13.02.2020 S Section 2 (32)

### 9. Damaged and charred scaffolding causing more timber debris

- Reference Number:

SLHA 13.02.2020 S Section 2 (24)

### 10. Further copper cladding damage and discolouration

- Reference Number:

SLHA 13.02.2020 S Section 2 (27)

### 11. Collapsed copper cladding over the SW wall of perimeter ring

- Reference Number:

SLHA 13.02.2020 S Section 2 (11)



## 7. APPENDIX: POST-FIRE PHOTOGRAPHIC SURVEY- PRE-DEBRIS REMOVAL

The following photographs records the South East section of the dome. Please refer to the plan below to identify the sections of the dome. The photographs include area inside and outside the dome.

Day of Visit: 13.02.2020

### 7.2.3 South East (SE)

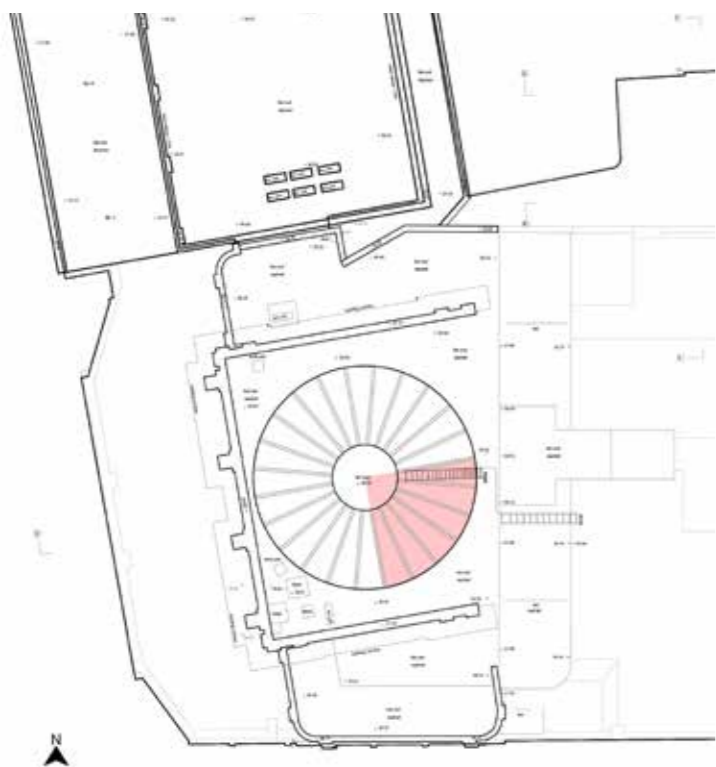


Figure 163: Roof plan (not to scale ) (2017) © AHA

#### 1. Cooper cladding discolouration and damages wall boarding

- Reference Number:

SLHA 15.01.20 Initial Dome Inspection (7)

#### 2. SW corner of wall structure on perimeter ring

- Reference Number:

SLHA 13.02.2020 SE Section 1 (81)

#### 3. Charred timbers on the base of the dome

- Reference Number:

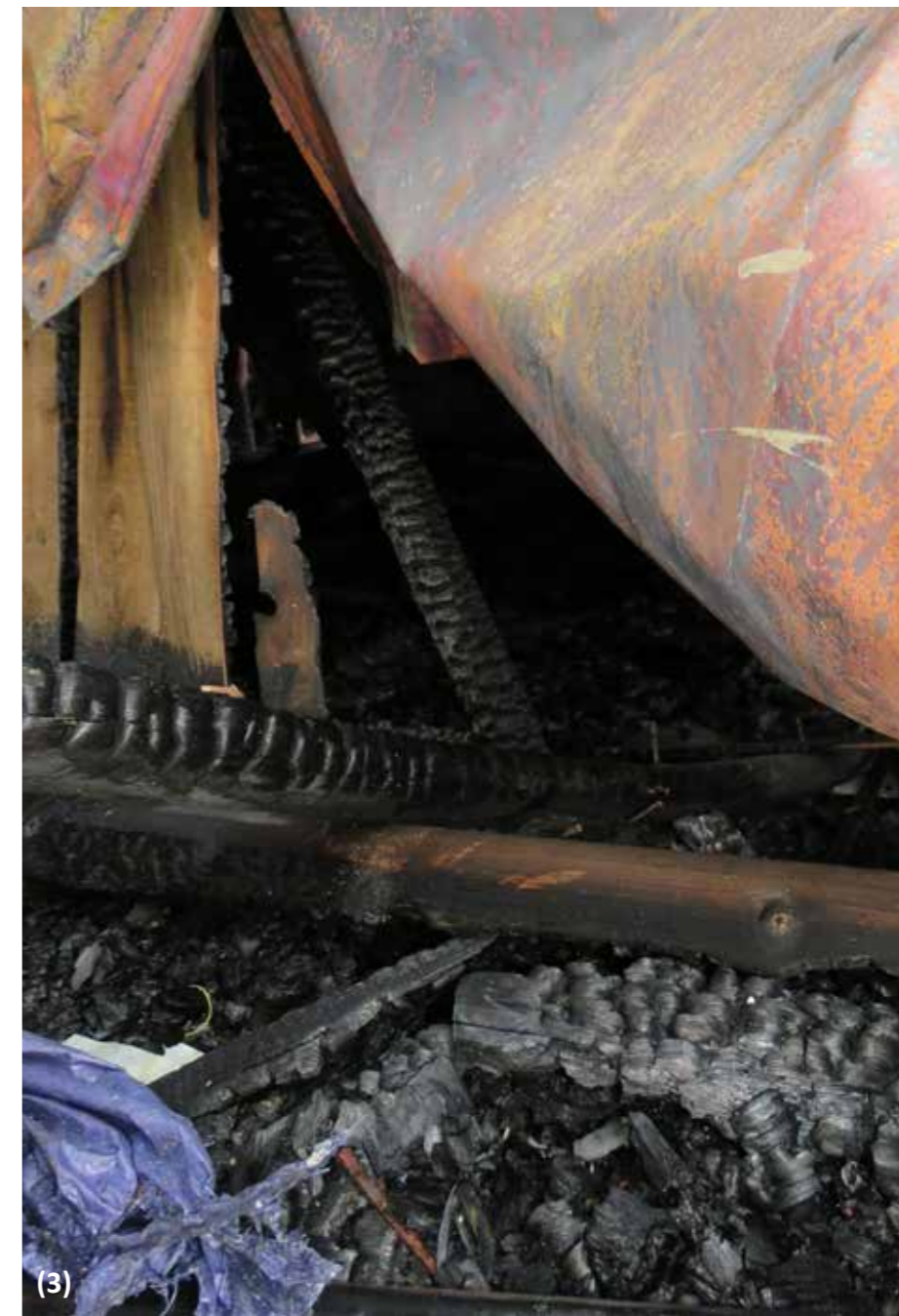
SLHA 13.02.2020 SE Section 1 (76)

#### 4. Damaged wall boarding

- Reference Number:

SLHA 13.02.2020 SE Section 1 (12)

continued...



### 7.2.3 South East (SE)

continued...

#### 6. Collapsed upper rafter plates and horizontal rafter wall tie

- Reference Number:

SLHA 13.02.2020 SE Section 1 (7)

#### 7. Damaged and discoloured cooper roof cladding

- Reference Number:

SLHA 13.02.2020 SE Section 1 (10)

#### 8. Damaged and discoloured cooper roof cladding

- Reference Number:

SLHA 13.02.2020 SE Section 1 (4)

#### 9. West brick wall at roof level

- Reference Number:

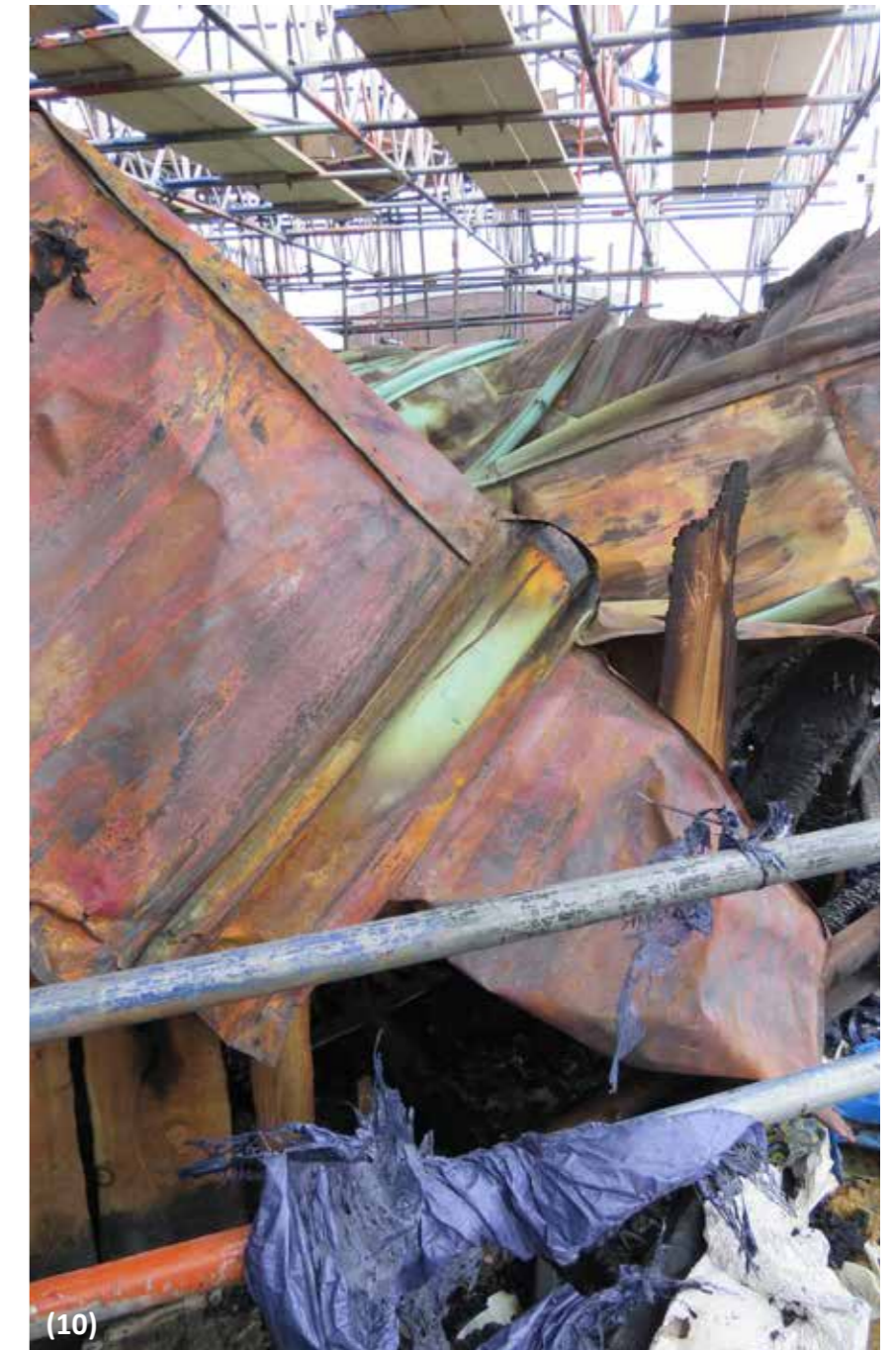
SLHA 13.02.2020 SE Section 1 (5)

#### 10. Collapsed copper roof cladding over centre of dome

- Reference Number:

SLHA 13.02.2020 SE Section 1 (11)

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## 7. APPENDIX: POST-FIRE PHOTOGRAPHIC SURVEY- PRE-DEBRIS REMOVAL

### 7.2.3 South East (SE)

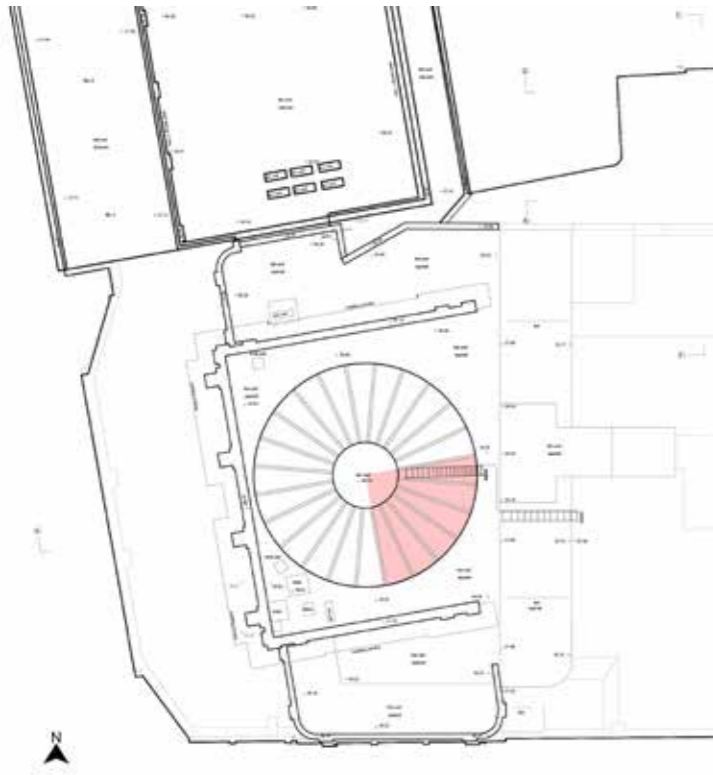


Figure 164: Roof plan (not to scale ) (2017) © AHA

continued...

#### 11. Charred wall boarding and wall studs and ties

- Reference Number:

SLHA 15.01.20 Initial Dome Inspection (24)

#### 12. Collapsed upper rafter plate

- Reference Number:

SLHA 13.02.2020 SE Section 1 (75)

#### 13. Charred outer upper rafter plate with top of wall stud

- Reference Number:

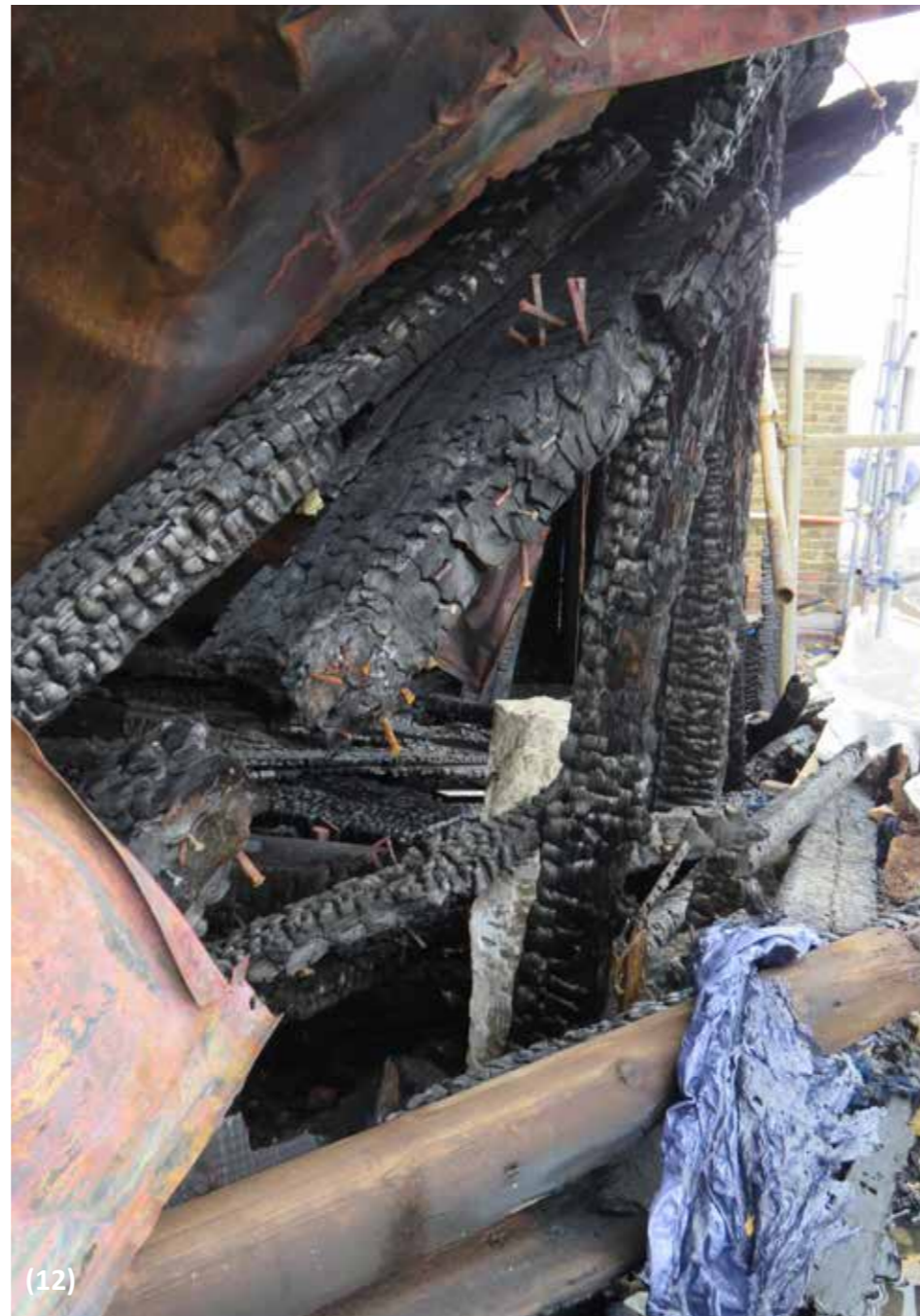
SLHA 13.02.2020 SE Section 1 (47)

#### 14. Collapsed upper rafter plate above main post junction

- Reference Number:

SLHA 13.02.2020 SE Section 1 (27)

continued...



### 7.2.3 South East (SE)

continued...

#### 16. Charred wall boarding and wall studs and ties

- Reference Number:

SLHA 13.02.2020 SE Section 1 (57)

#### 17. Charred wall boarding and wall studs and ties on perimeter ring

- Reference Number:

SLHA 13.02.2020 SE Section 1 (10)

#### 18. Debris underneath collapsed copper roof cladding

- Reference Number:

SLHA 13.02.2020 SE Section 1 (41)

#### 19. Charred wall structure underneath collapsed copper cladding

- Reference Number:

SLHA 13.02.2020 SE Section 1 (25)

#### 20. Debris underneath collapsed copper roof cladding

- Reference Number:

SLHA 13.02.2020 SE Section 1 (60)

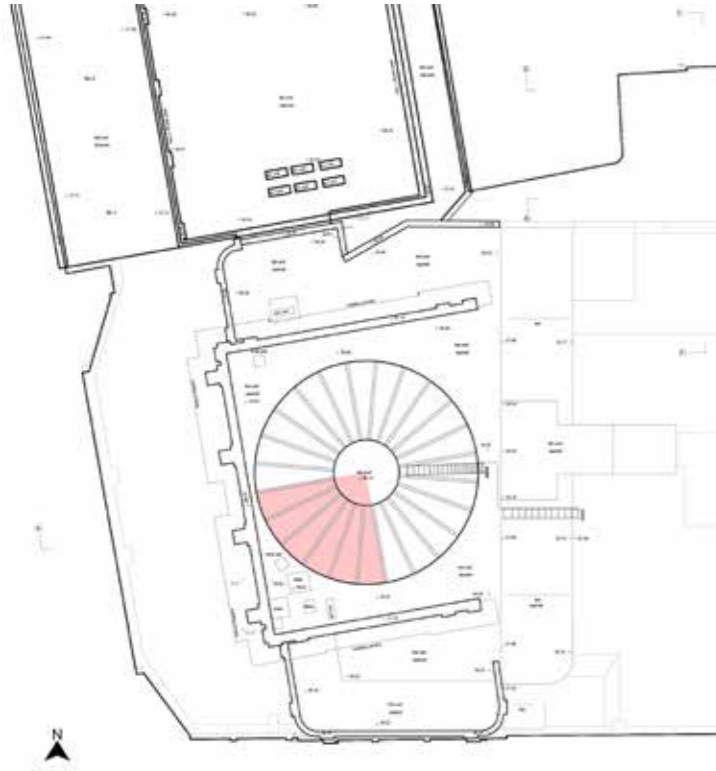


## 7. APPENDIX: POST-FIRE PHOTOGRAPHIC SURVEY- PRE-DEBRIS REMOVAL

The following photographs records the South West section of the dome (Section 1). Please refer to the plan below to identify the section of the dome. The photographs include area inside and outside the dome.

**Day of Visit:** 13.02.2020

### 7.2.4 South West (SW)



**Figure 165:** Roof plan (not to scale ) (2017) © AHA

#### 1. Brick pier and charred wall boarding

- Reference Number:

SLHA 15.01.20 Initial Dome Inspection (58)

#### 2. View of the perimeter ring by brick pier

- Reference Number:

SLHA 13.02.2020 SE Section 1 (88)

#### 3. Damaged wall structure and heavy debris over hatch

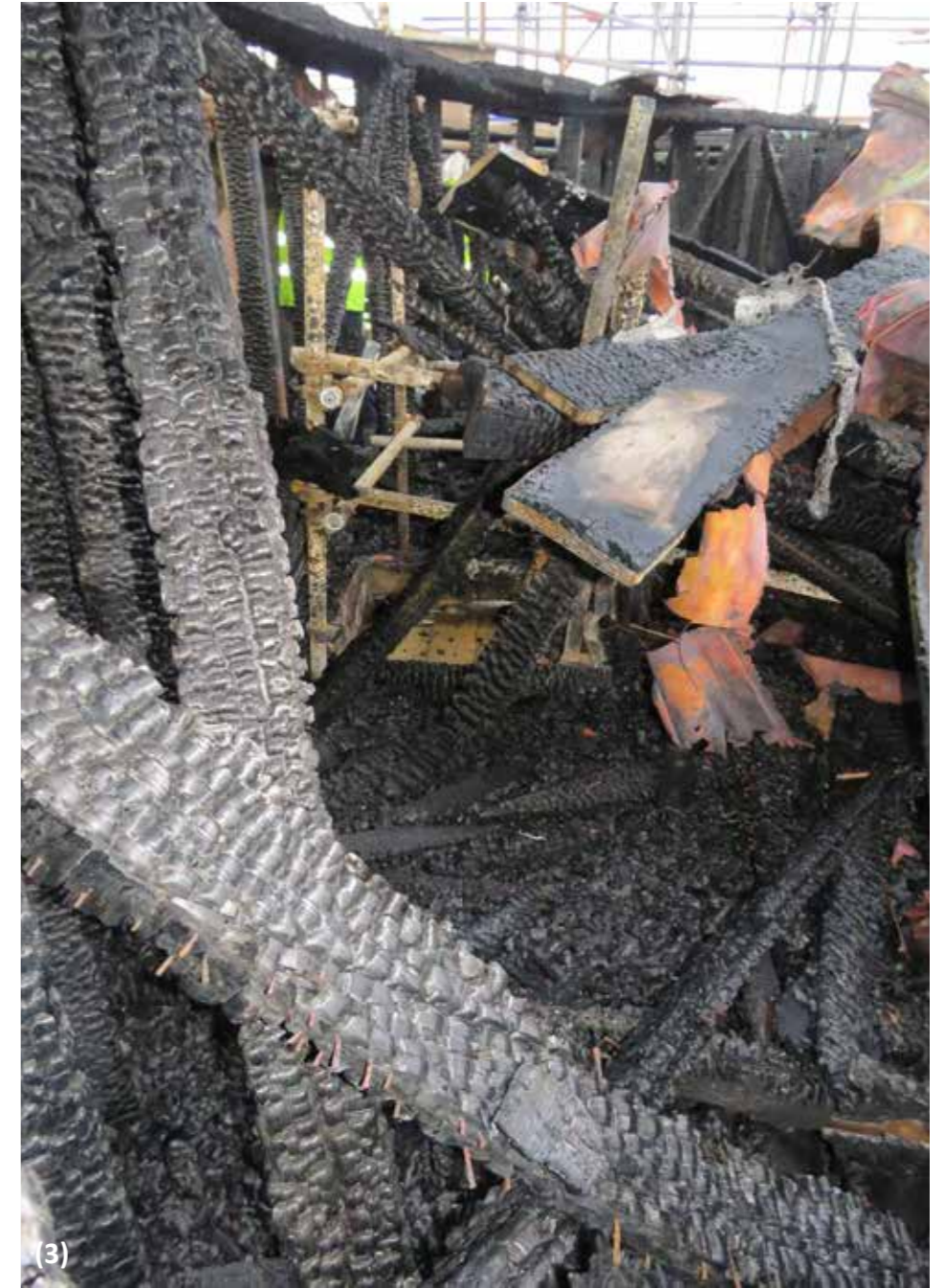
- Reference Number:

SLHA 13.02.2020 SE Section 1 (59)

#### 4. Charred timber roof roll

- Reference Number:

SLHA 13.02.2020 SE Section 1 (93)



continued...

## 7.2.4 South West (SW)

continued...

### 5. Underneath collapsed copper roof cladding

- Reference Number:

SLHA 13.02.2020 SW Section 2 (3)

### 6. Detail showing wall stud ties and attachment to wall boarding

- Reference Number:

SLHA 13.02.2020 SE Section 1 (32)

### 7. View of the domes' perimeter ring

- Reference Number:

SLHA 13.02.2020 SE Section 1 (21)

### 8. Charred upper rafter plate and wall studs

- Reference Number:

SLHA 13.02.2020 SE Section 1 (69)

### 9. Loose copper debris overhanging the walls on the perimeter ring

- Reference Number:

SLHA 13.02.2020 SE Section 1 (9)



## 7. APPENDIX: POST-FIRE PHOTOGRAPHIC SURVEY- PRE-DEBRIS REMOVAL

### 7.2.4 South West (SW)

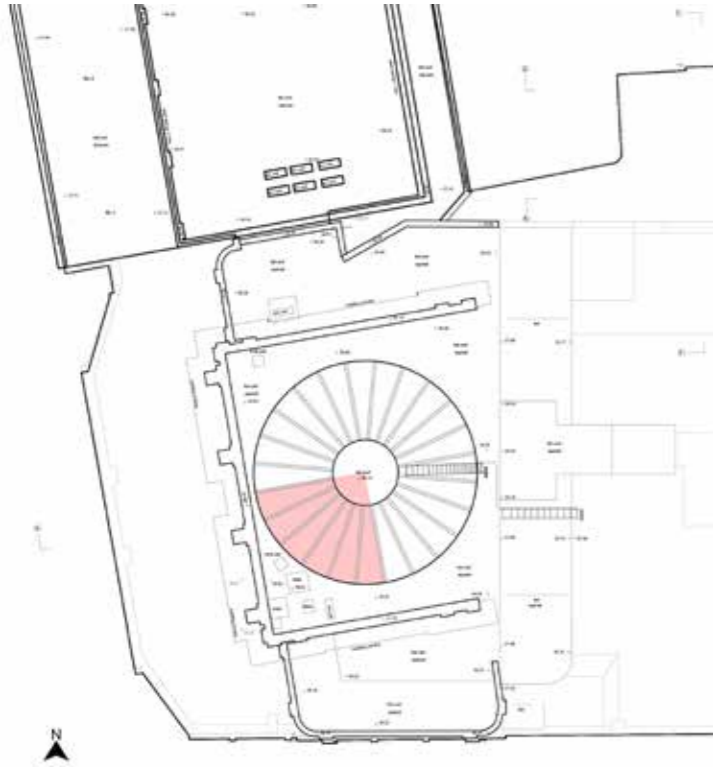


Figure 166: Roof plan (not to scale ) (2017) © AHA

continued...

#### 11. Condition of perimeter ring by the hatch door

- Reference Number:

SLHA 13.02.2020 SW Section 2 (77)

#### 12. Damaged wall structure along the perimeter ring

- Reference Number:

SLHA 13.02.2020 SW Section 2 (12)

#### 13. Charred timber roof roll at base level

- Reference Number:

SLHA 13.02.2020 SW Section 2 (50)

#### 14. Damaged wall structure along the perimeter ring

- Reference Number:

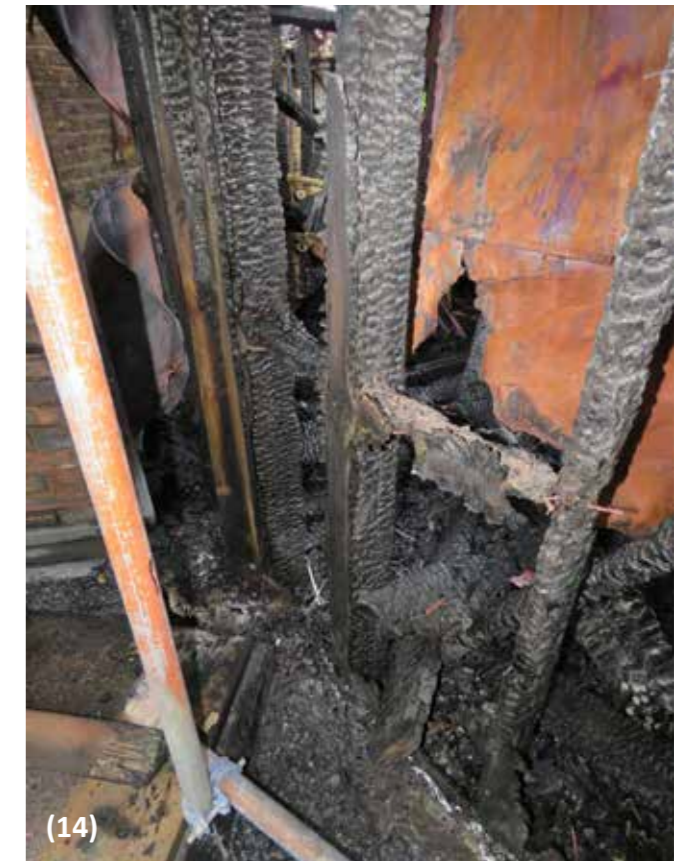
SLHA 13.02.2020 SW Section 2 (40)

#### 15. View down of the charred lower stud wall plate

- Reference Number:

SLHA 13.02.2020 SW Section 2 (20)

continued...



## 7.2.4 South West (SW)

continued...

### 16. Charred timber roof roll at base level

- Reference Number:

SLHA 13.02.2020 SW Section 2 (45)

### 17. View down of amount of debris by the perimeter ring

- Reference Number:

SLHA 13.02.2020 SW Section 2 (48)

### 18. Charred wall studs with small parts of charred wall boardings

- Reference Number:

SLHA 13.02.2020 SW Section 2 (11)

### 19. Damaged fire extinguisher signboard inside the dome

- Reference Number:

SLHA 13.02.2020 SW Section 2 (2)

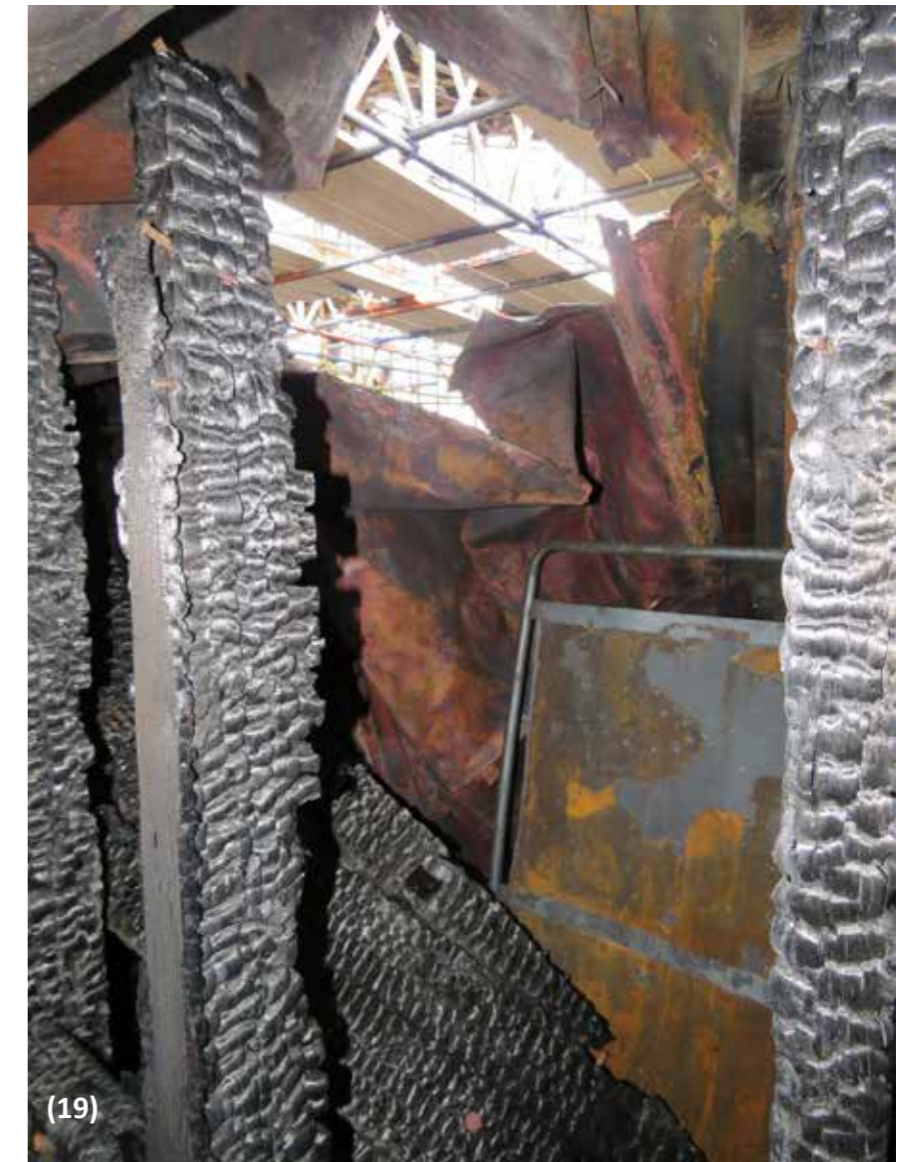
### 20. Heavily damaged wall stud

- Reference Number:

SLHA 13.02.2020 SW Section 2 (83)



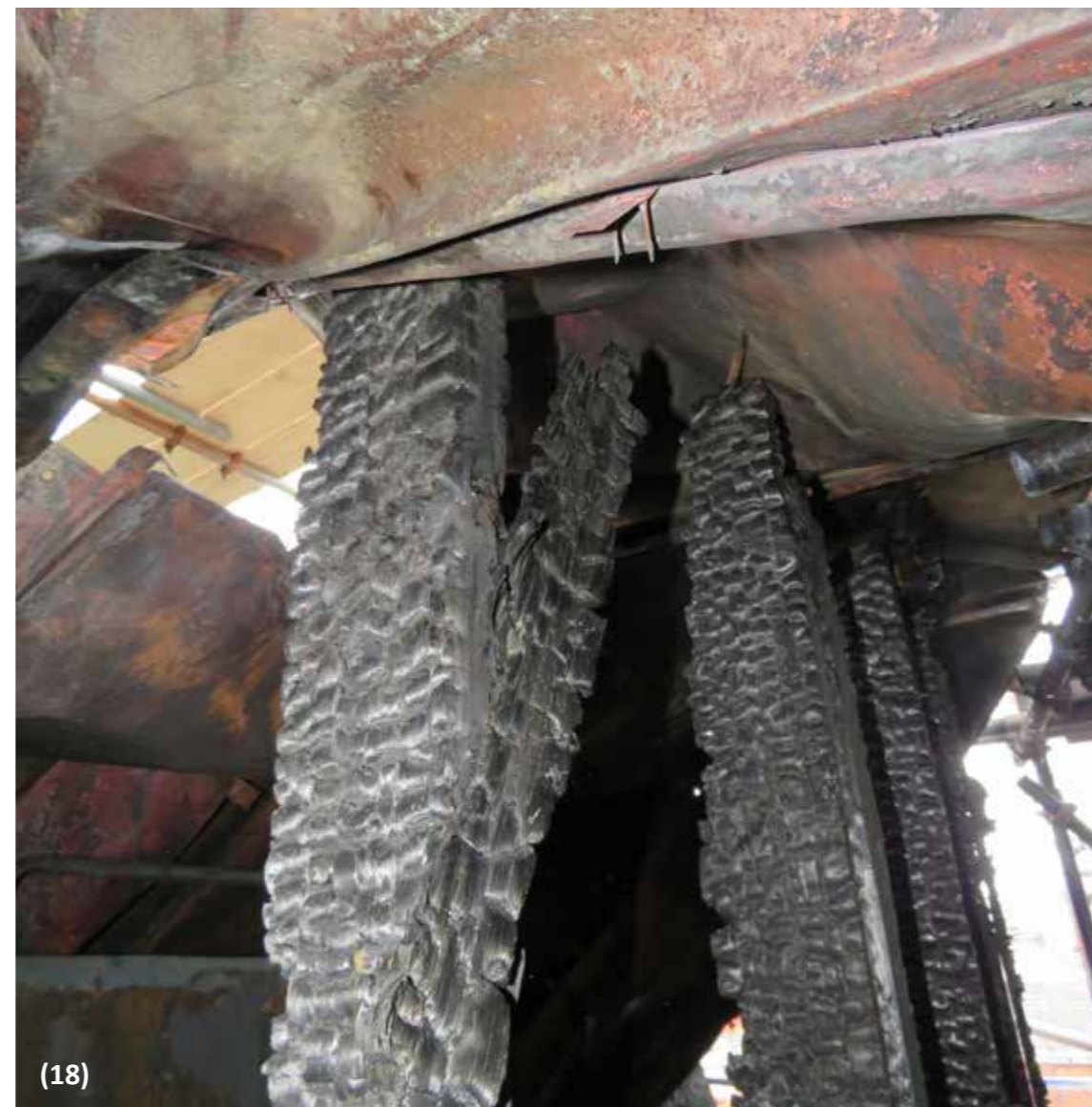
(17)



(19)



(16)



(18)



(20)

#### 4. APPENDIX: POST-FIRE PHOTOGRAPHIC SURVEY- PRE-DEBRIS REMOVAL

The following photographs records the North section of the dome (Section 1). Please refer to the plan below to identify the section of the dome. The photographs include area inside and outside the dome.

Day of Visit: 13.02.2020

##### 7.2.5 North (N)

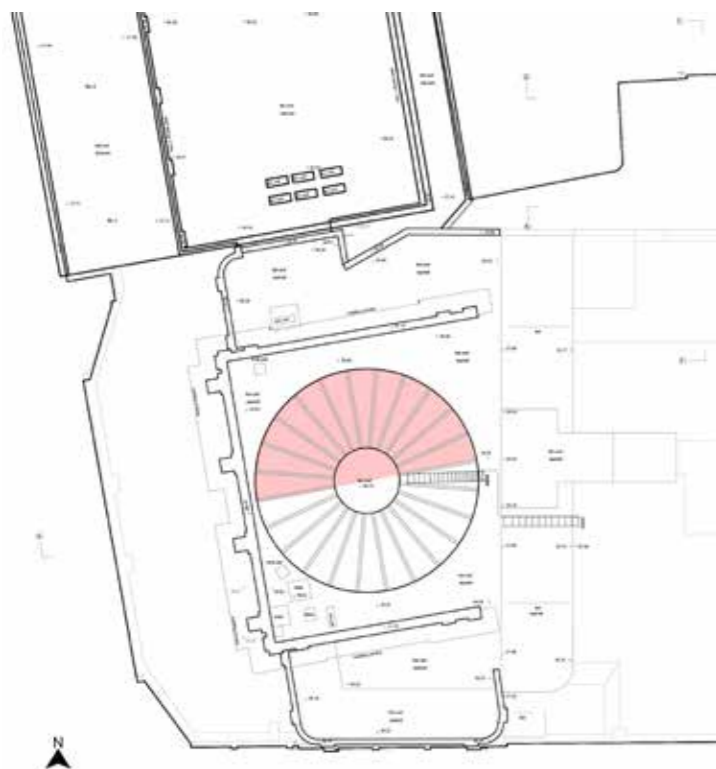


Figure 167: Roof plan (not to scale ) (2017) © AHA

##### 1. Roof debris over partly standing wall structure

- Reference Number:

SLHA 13.02.2020 N Section 4 (19)

##### 2. Roof debris at the centre of the dome

- Reference Number:

SLHA 13.02.2020 N Section 4 (9)

##### 3. Dome Condition Post Fire

- Reference Number:

SLHA 13.02.2020 N Section 4 (11)

##### 4. Dome Condition Post Fire

- Reference Number:

SLHA 13.02.2020 N Section 4 (4)

continued...



### 7.2.5 North (N)

continued...

#### 6. Loose discoloured debris scattered over the upper rafter plate

- Reference Number:

SLHA 13.02.2020 N Section 4 (7)

#### 7. Loose discoloured debris scattered over the upper rafter plate

- Reference Number:

SLHA 13.02.2020 N Section 4 (8)

#### 8. Loose discoloured cooper debris scattered over scaffolding

- Reference Number:

SLHA 13.02.2020 N Section 4 (15)

#### 9. Charred Timbers on upper rafter plate and horizontal rafter wall tie

- Reference Number:

SLHA 13.02.2020 N Section 4 (6)





## 7. APPENDIX: POST-FIRE PHOTOGRAPHIC SURVEY- PRE-DEBRIS REMOVAL

The following photographs records the North West section of the dome. Please refer to the plan below to identify the section of the dome. The photographs include area inside and outside the dome.

Day of Visit: 13.02.2020

### 7.2.6 North West (NW)

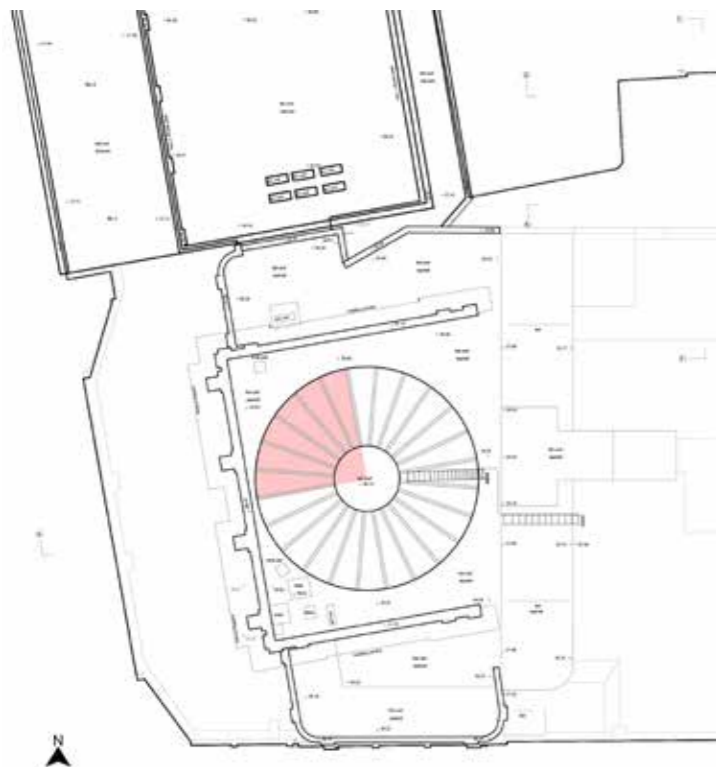


Figure 168: Roof plan (not to scale ) (2017) © AHA

#### 1. Wall boardings with evident fire damaged

- Reference Number:

SLHA 13.02.2020 NW Section 4 (6)

#### 2. Charred wall stud and tie

- Reference Number:

SLHA 13.02.2020 NW Section 4 (19)

#### 3. Wall boardings with evident fire damaged

- Reference Number:

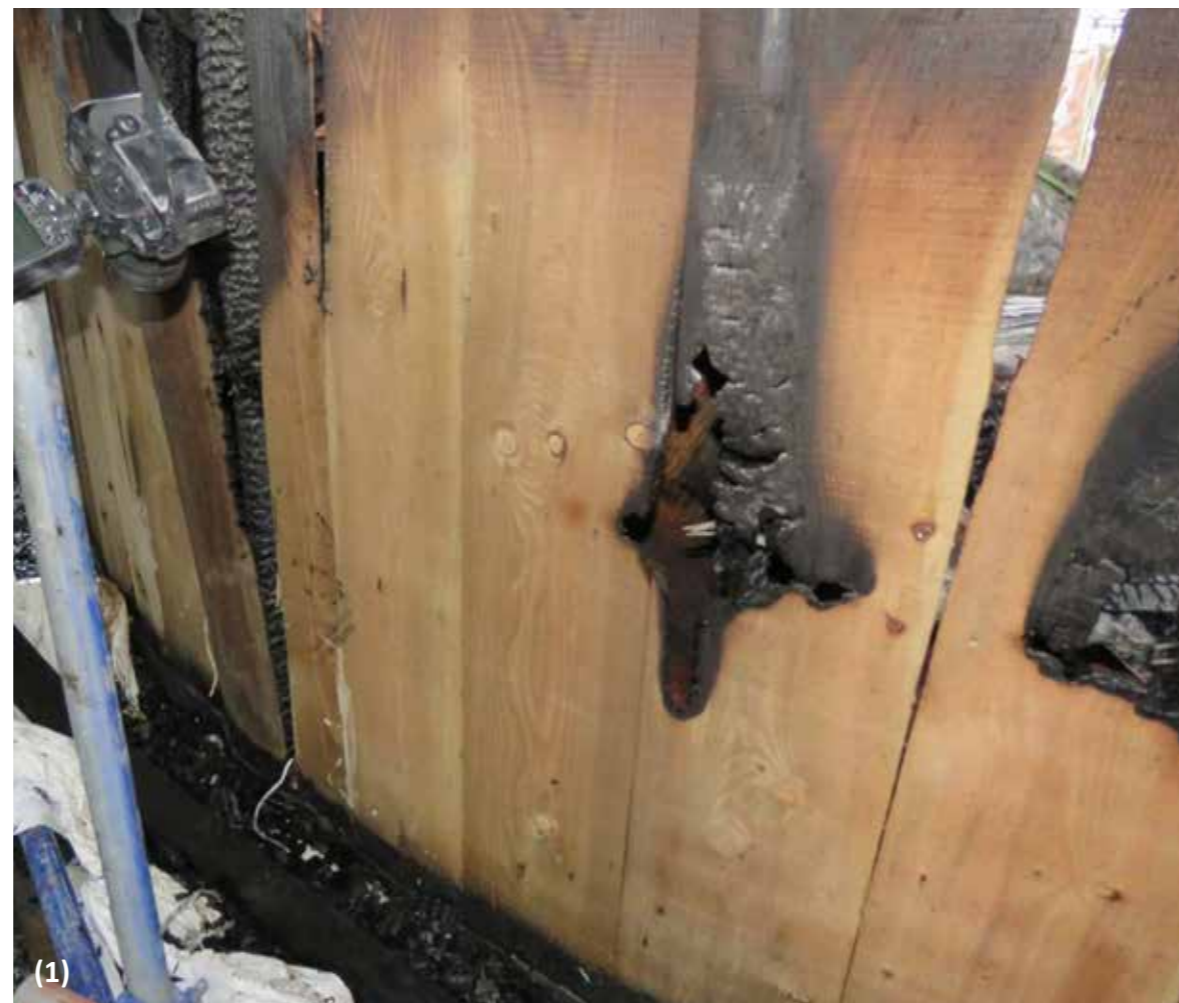
SLHA 13.02.2020 NW Section 4 (35)

#### 4. Loose copper debris by the NW pier

- Reference Number:

SLHA 13.02.2020 NW Section 4 (52)

continued...



## 7.2.6 North West (NW)

continued...

### 5. Charred outer upper rafter plate with overhanging copper debris

- Reference Number:

SLHA 13.02.2020 NW Section 5 (5)

### 6. Damaged and charred wall structure

- Reference Number:

SLHA 13.02.2020 NW Section 5 (22)

### 7. Wall boardings with evident fire damaged

- Reference Number:

SLHA 13.02.2020 NW Section 5 (23)

### 8. Hatch door

- Reference Number:

SLHA 13.02.2020 NW Section 5 (2)

### 9. Wall boardings with evident fire damaged

- Reference Number:

SLHA 13.02.2020 NW Section 5 (38)



## 7. APPENDIX: POST-FIRE PHOTOGRAPHIC SURVEY- PRE-DEBRIS REMOVAL

The following photographs records the North East section of the dome. Please refer to the plan below to identify the section of the dome. The photographs include area inside and outside the dome.

Day of Visit: 13.02.2020

### 7.2.7 North East (NE)

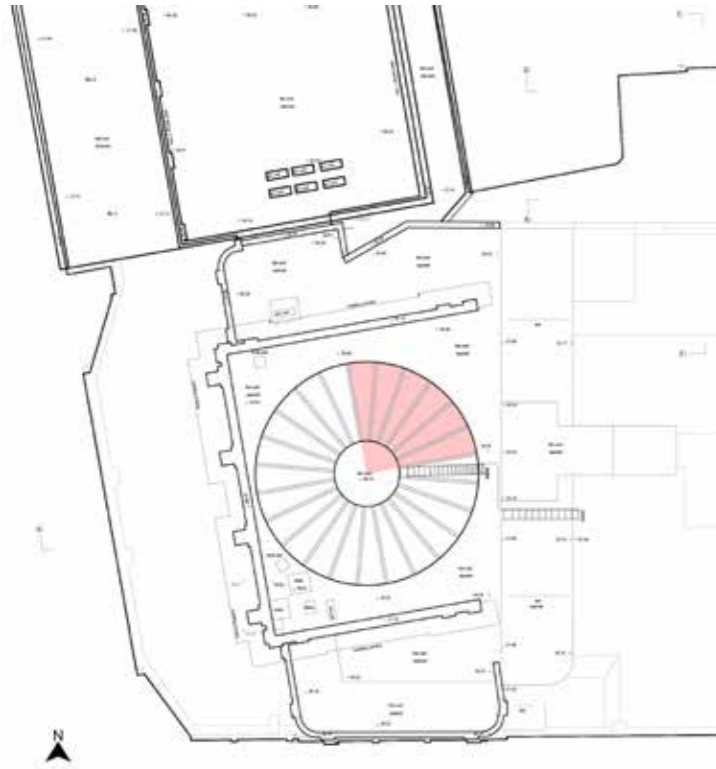


Figure 169: Roof plan (not to scale ) (2017) © AHA

#### 1. Charred outer upper rafter plate

- Reference Number:

SLHA 13.02.2020 NE Section 6 (32)

#### 2. Wall boarding with minimal damaged compared to rest

- Reference Number:

SLHA 13.02.2020 NE Section 6 (36)

#### 3. Historic nails used for construction on the rafter plate

- Reference Number:

SLHA 13.02.2020 NE Section 6 (22)

#### 4. View of corner junction of horizontal rafter wall tie

- Reference Number:

SLHA 13.02.2020 NE Section 6 (50)



continued...

## 7.2.7 North East (NE)

continued...

### 5. Slightly damaged timber roof roll at base level

- Reference Number:

SLHA 13.02.2020 NE Section 6 (6)

### 6. View of wall structure on perimeter ring

- Reference Number:

SLHA 13.02.2020 NE Section 6 (4)

### 7. Build up of rainwater on on NE corner

- Reference Number:

SLHA 13.02.2020 NE Section 6 (1)

### 8. Timber roof roll from roof debris

- Reference Number:

SLHA 13.02.2020 NE Section 6 (39)

### 9. Further damaged wall boarding

- Reference Number:

SLHA 13.02.2020 NE Section 6 (12)

