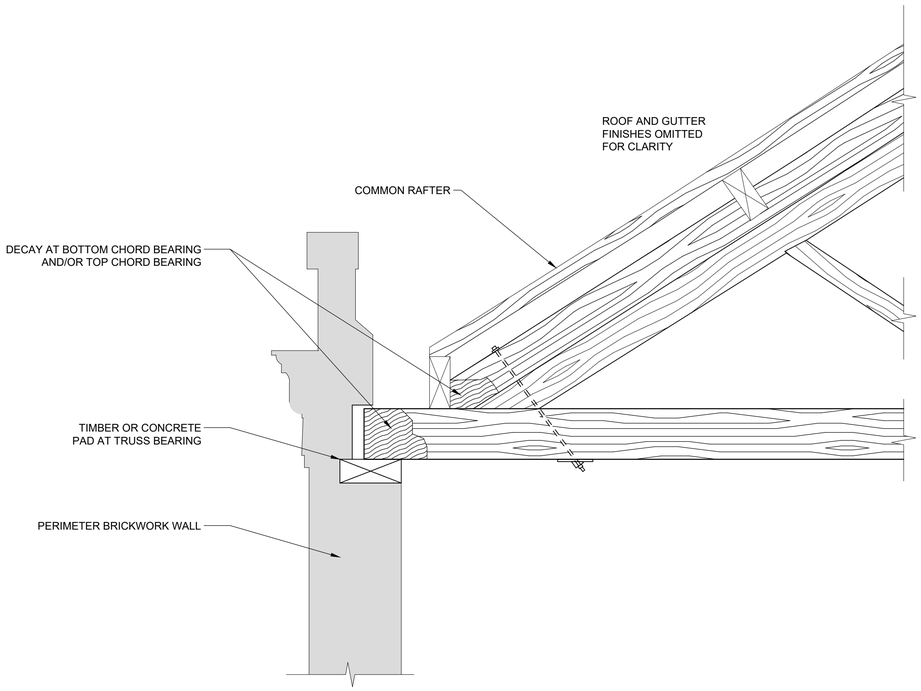
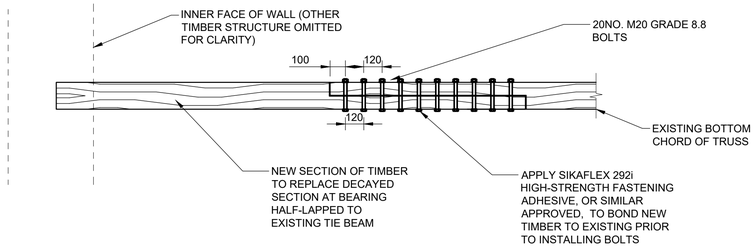


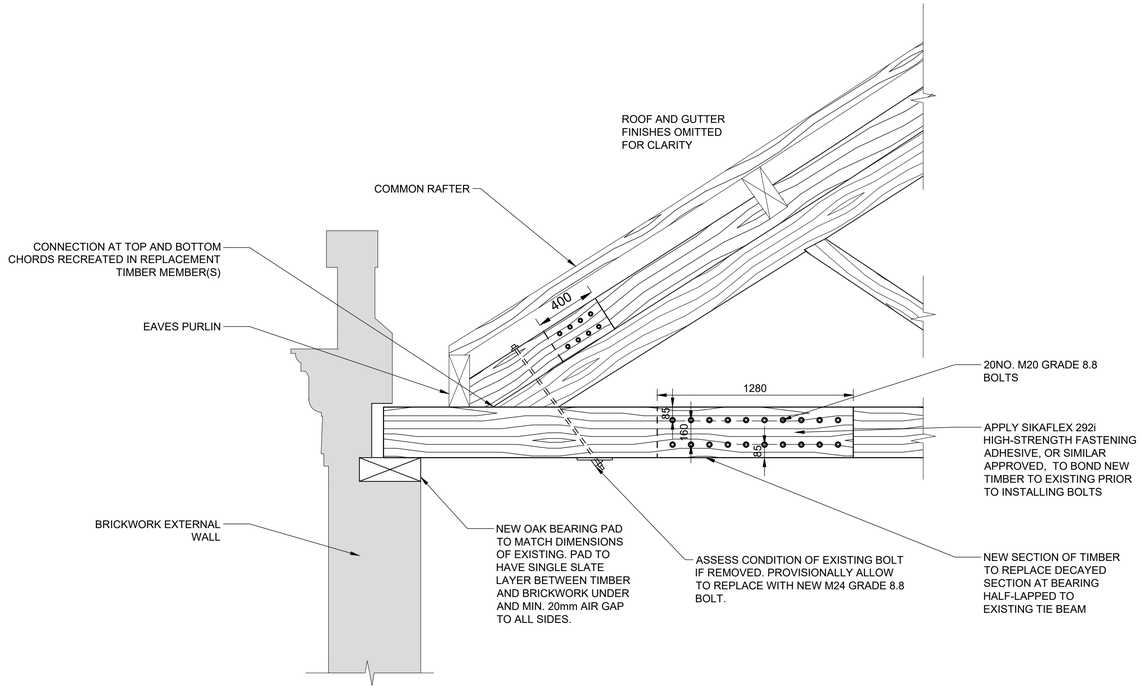
TYPICAL TIMBER DECAY AT TRUSS BEARINGS

SCALE 1:20



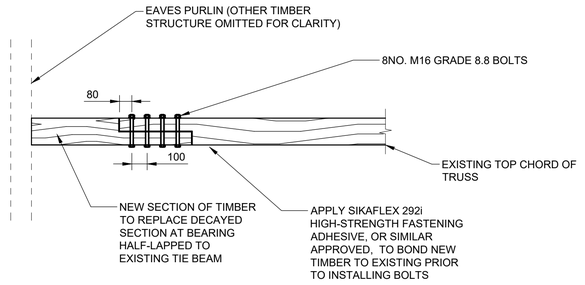
PROPOSED TRUSS BOTTOM CHORD REPAIR (PLAN)

SCALE 1:20



PROPOSED SPLICE REPAIRS AT TRUSS BEARINGS (ELEVATION)

SCALE 1:20



PROPOSED TRUSS TOP CHORD REPAIR (PLAN)

SCALE 1:20

GENERAL NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS AND SPECIALIST DRAWINGS AND SPECIFICATIONS
2. DO NOT SCALE FROM THIS DRAWING IN EITHER PAPER OR DIGITAL FORM. USE WRITTEN DIMENSIONS ONLY.

STRUCTURAL REPAIR NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF TEMPORARY WORKS. THEIR PROPOSALS MUST BE SUBMITTED TO THE STRUCTURAL ENGINEER SUFFICIENTLY IN ADVANCE OF THE WORKS STARTING TO PERMIT COMMENT. UNDER NO CIRCUMSTANCES SHOULD ANY STRUCTURAL ALTERATIONS BE CARRIED OUT PRIOR TO THE STRUCTURAL ENGINEER COMMENTING ON THE CONTRACTORS TEMPORARY WORKS PROPOSALS.
2. ALL BOLTS & NUTS TO BE GRADE 8.8 AND HOT-DIP GALVANISED.
3. ALL NEW TIMBER FOR TRUSS REPAIR TO BE TREATED. TIMBER GRADE TO BE GRADE C24 to BS 5268 OR GRADE SS TO BS 4978. SPECIES TO BE PINUS SYLVESTRIS OR PSEUDOTSUGA MENZIESII.
5. ADHESIVE TO BE SIKAFLEX 292i OR EQUIVALENT AND APPROVED.
6. NEW TIMBER FOR BEARING PADS TO BE EUROPEAN OAK (QUERCUS ROBUR) TO GRADE D35 TO BS 5268 OR THA TO BS 5756. PADS TO BE INSTALLED ON A SINGLE SLATE BEDDED ON NHL 3.5 : SHARP SAND MORTAR. PROVIDE MIN. 20mm WIDTH AIR GAP TO ALL SIDES.
7. WHERE TIMBER REPAIRS ARE REQUIRED AT BEARING LOCATIONS WITH PRE-EXISTING STEEL OVERPLATING, PLATES SHOULD BE REMOVED TO UNDERTAKE TIMBER REPAIR IF AND WHERE NEEDED, SET ASIDE AND REINSTATED ON COMPLETION.
8. SEE CONISBEE DRAWINGS S-1025 AND S-1026 FOR REPAIR LOCATIONS.

NOT FOR CONSTRUCTION

Rev	Date	Description	Drawn	Check
P3	06.08.21	PRELIMINARY ISSUE	SW	KC

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Drawing Status
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Project
SCIENCE & INDUSTRY MUSEUM
MANCHESTER

Title
POWER HALL REPAIRS
ROOF TRUSS BEARING REPAIRS

Drawing No
180426-CON-PH-RF-DR-S-4100

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Scale 1:20@A1
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Engineer ED
Project No 180426
Revision P3