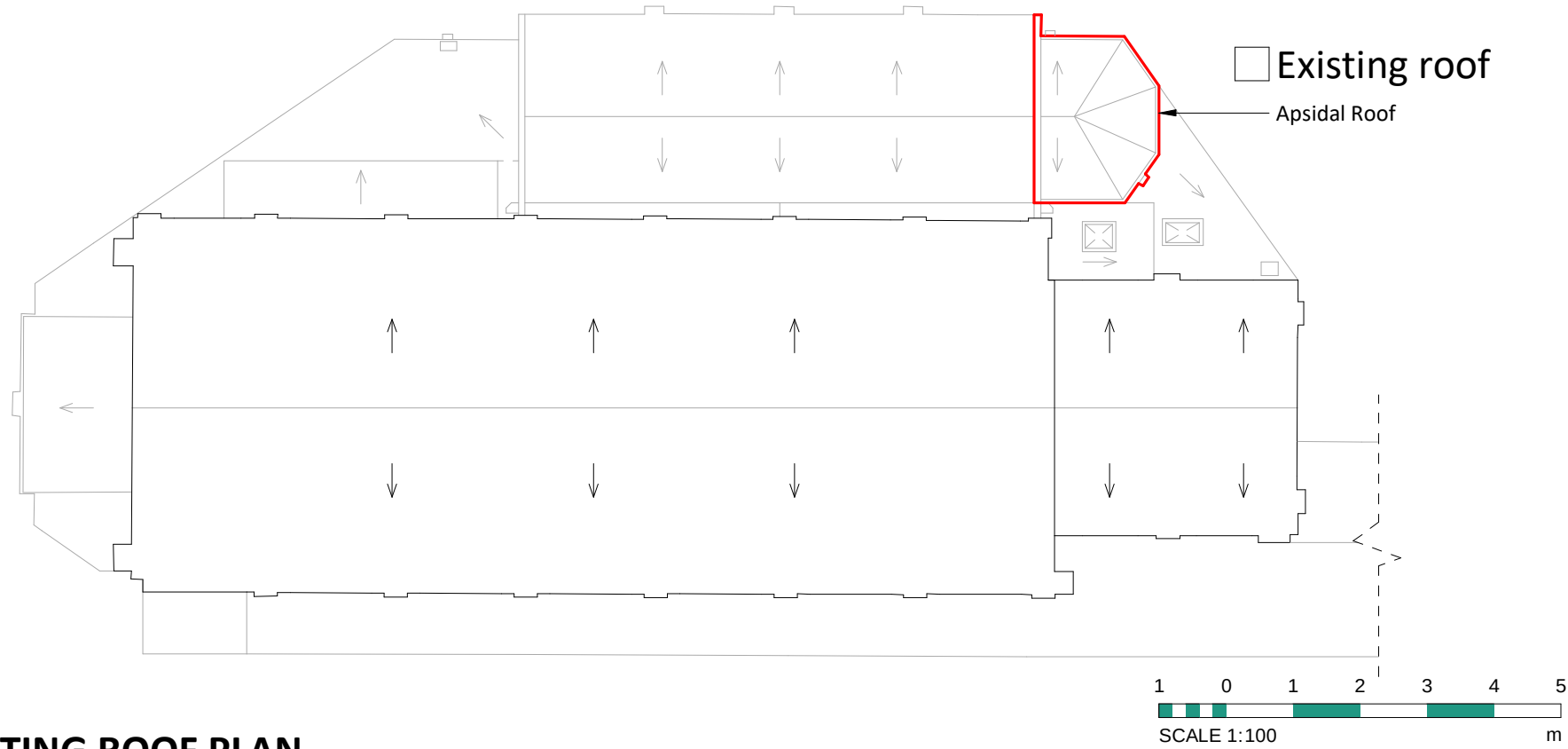




EXISTING ROOF PLAN

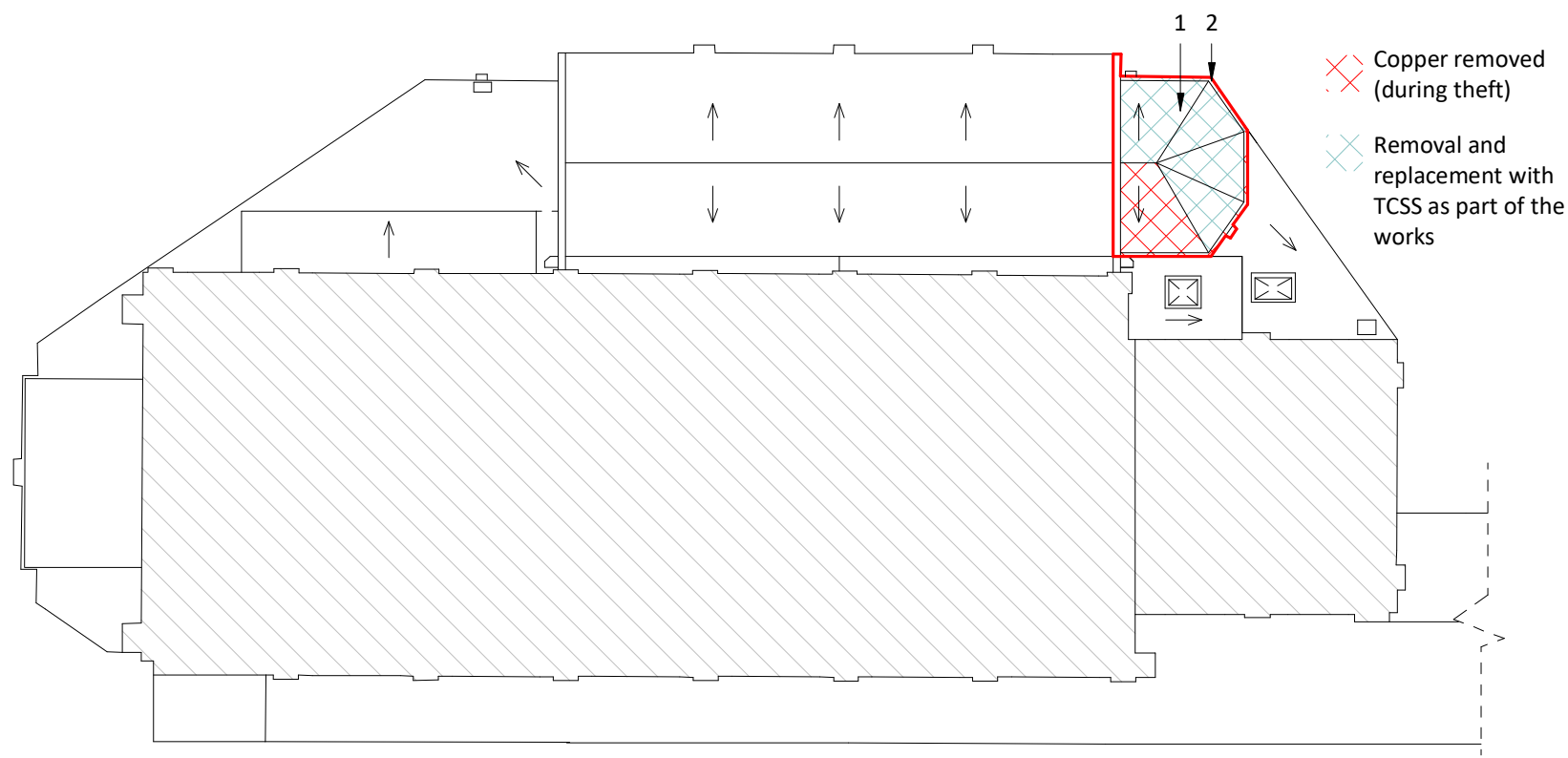
(all compass references are based on liturgical directional notation i.e. Sanctuary at the east)

Existing Condition

The existing copper sheet roof has been subject to lead theft which has resulted in the loss of one complete face of copper and damage to the two adjoining leaded facets. The 150mm copper box gutter detail on three of the five faces has been ripped off which has also caused consequential damage to the bottom edge drip detail. Of the five faces, it is likely that only two of the sheeted sections of roof could be retained and repaired and that the other three faces would need to be completely replaced with new copper sheet.

Given the long history of attack this section of the church has endured, and the relatively easy access available, it is highly likely that any new copper or high value roof sheeting will be subject to further attack/theft.

For the above reasons, the proposal is to renew the roof finish using Terne Coated Stainless Steel patinated to resemble lead sheet following completion.

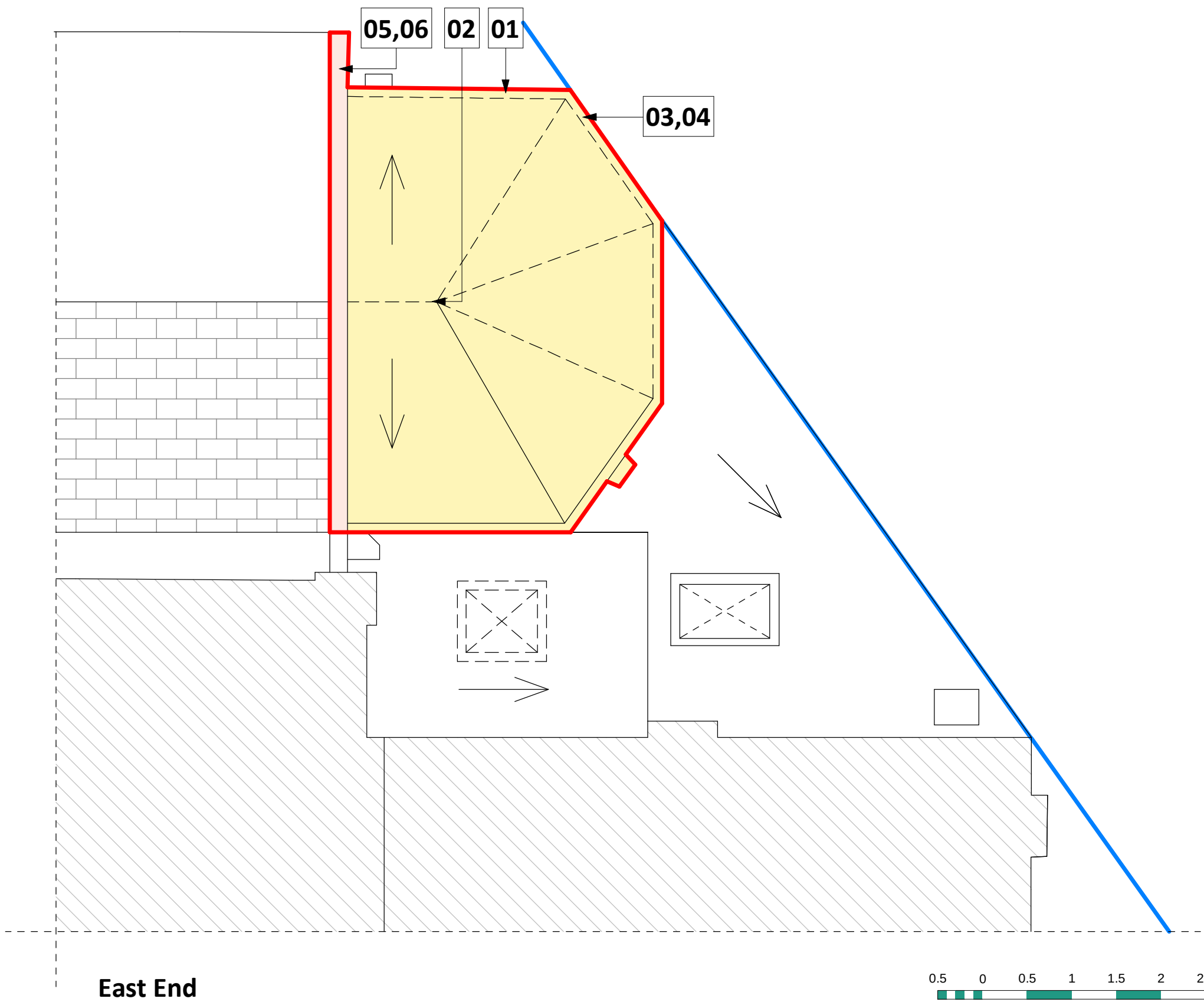


WORK AREAS (all compass references are based on liturgical directional notation i.e. Sanctuary at the east)

- 1. Copper Roof to Lady Chapel**
Part of the copper roof covering was removed during a recent theft. Roof covering is to be replaced with TCSS (Terne coated stainless steel) roof coverings to minimise threat of future attack
- 2. Copper apaisal roof box gutter and spitter/outlet**
Copper box gutter was partially removed during a recent theft. The box gutter is to be replaced with new TCSS box gutter to match original.



Condition following ongoing theft



LADY CHAPEL: APSIDAL ROOF WITH STANDING SEAMS AND PERIMETER BOX GUTTER (C) (all compass references are based on liturgical directional notation i.e. Sanctuary at the east)

- Carefully strip off protective visqueen sheeting. Carefully strip off all remaining areas of copper sheet roofing/box gutter and set aside for reclamation (scrap value of copper is to be set against costs of the works). Remove felt separating sheet between underside of copper and softwood sarking boards. Retained boarding is to be cleaned off to provide level surface for new 0.5 mm FME terne coated 316L stainless steel roof covering, with double fold standing seam joints between at maximum 500mm centres, on Met Mat polyester fleece underlay. At principle corners (4 no.) sheets are to be formed around retained existing wood core rolls to replicate original historic copper detail. Joints across each face of the apsidal structure are to be carefully set out to replicate original historic pattern of joints.
- At gutter, allow for fan drip edge to roof sheeting discharging into TCSS box gutter formed to replicate dimensions and structure of original copper box gutter. Allow for TCSS tube reinforcement bars at regular intervals. Box gutter to be sat on Icopal Extra Load Alumite DPC undercloak dressed up sarking boards a minimum of 75mm before TCSS sheeting is fixed over. Undercloak is to be dressed down assumed wallplate and formed around brickwork wallhead under gutter position. Carefully cut back projecting undercloak to have 10mm overhang beyond face of upstanding brickwork below gutter bottom once fixed in place.
- Allow for TCSS clips at maximum 450mm centres along leading edge of roof sheeting.
- Allow for purpose formed 'bonnet' capping at ridge where ridge meets 4 no. raking wood core rolls at junctions of each roof facet.
- At raking gable between Lady Chapel roof and the North Aisle roof, the existing terracotta raking copings are to be carefully dismantled, cleaned off and set aside for reuse. Clean out wall head and prepared for rebedding raking copings. Copings are to be bedded on Icopal Extra Load Alumite DPC undercloak carefully cut back to have 10mm overhang each side of upstanding gable. Re-bed and point up raking copings on 3:1 (sand: cement) mortar colour to match existing.
- Reform raking cover flashings/aprons in TCSS dressed under new DPC undercloak and onto new TCSS roof sheeting. To be pointed with compatible mastic pointing to manufacturers recommendations.



Existing Copper Apsidal Roof to Lady Chapel



Proposed Terne Coated Stainless Steel Apsidal Roof to Lady Chapel

Rev	Date	Int	Description
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CLIENT:
The Parish of Our Lady of Mount Carmel
Blackley
PROJECT:
Our Lady of Mount Carmel, Blackley

DESCRIPTION:
Repair Proposal - Lady Chapel Apsidal Roof

PURPOSE OF ISSUE:
Planning
DRAWN BY: CHECKED DATE: SCALE @ A1:
JW AP 14.06.23 As indicated
JOB NO: STATUS CODE: DRAWING NO: REV
4200 S2 112
FILE IDENTIFIER:
MC-BTP-00-ZZ-DR-A-4200_112