

0 500 1000
SCALE 1:10 (A1)
SCALE 1:20 (A3)
MILLIMETRES

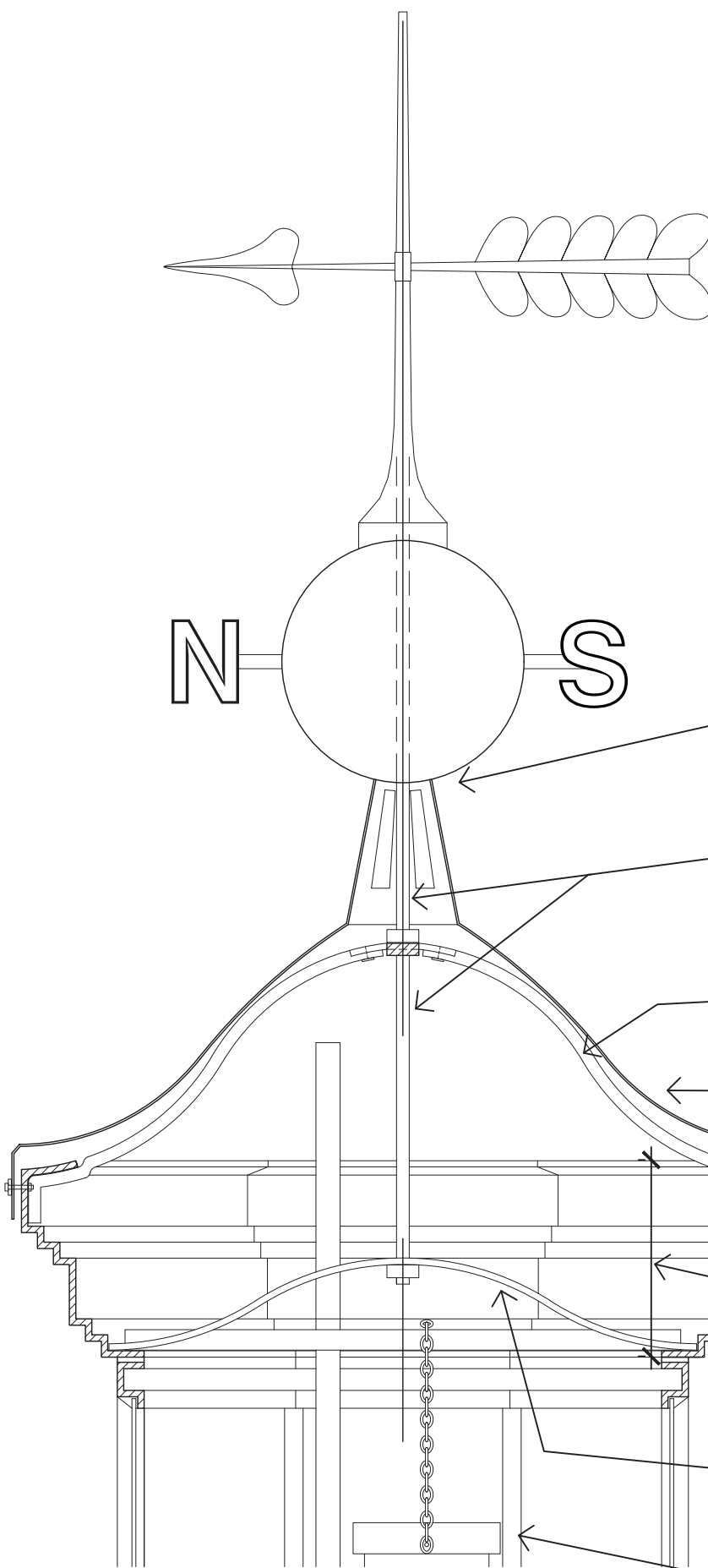
Existing copper weathervane to be carefully removed and set aside for alteration and repair, and reinstallation.

Existing copper sheet base to weathervane to be carefully removed from globe.

Existing steel strap to be released and copper sheet cupola roof to be removed.

Existing putty fronted single glazing to be replaced as L40.

20
DET-210
ELEVATION - CUPOLA ROOF
EXISTING - scale 1:10



Existing copper sheet base to weathervane to be carefully removed from globe.

Existing wrought iron threaded support rod to be carefully removed complete with weathervane and set aside for reinstalling.

Existing wrought iron roof frame to be carefully removed and set aside for reinstalling.

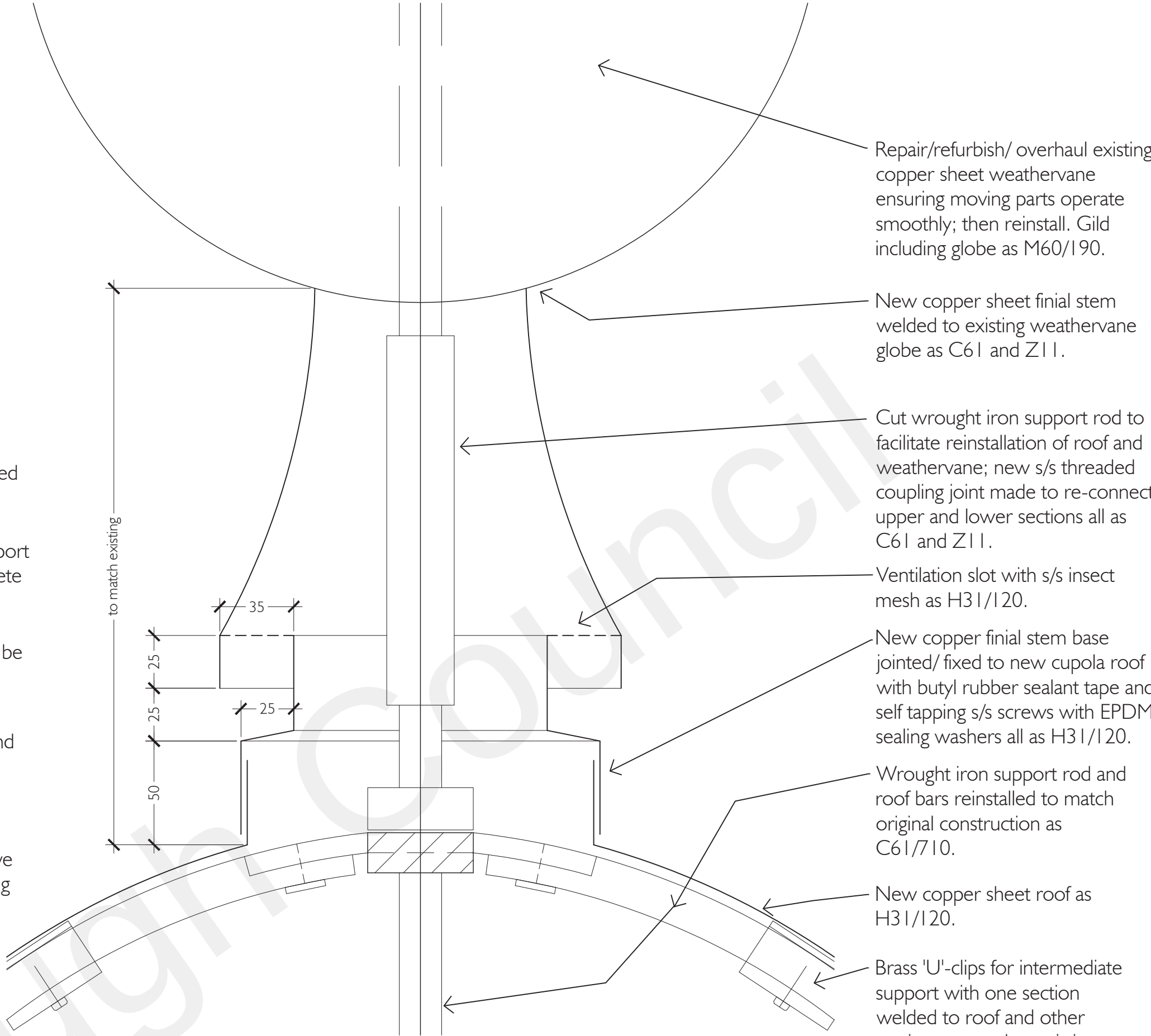
Existing steel strap to be released and copper sheet cupola roof to be removed.

Carefully remove the 4nr defective iron castings all as C61/700. Remove sections intact to allow for producing matching moulds for recasting new replacement components.

Existing wrought iron tie bar to be carefully removed and set aside for reinstalling.

Existing navigation light and electronic equipment to be removed by the Employer at commencement.

21
DET-210
SECTION - CUPOLA ROOF
EXISTING - scale 1:10



Repair/refurbish/ overhaul existing copper sheet weathervane ensuring moving parts operate smoothly; then reinstall. Gild including globe as M60/190.

New copper sheet finial stem welded to existing weathervane globe as C61 and Z11.

Cut wrought iron support rod to facilitate reinstallation of roof and weathervane; new s/s threaded coupling joint made to re-connect upper and lower sections all as C61 and Z11.

Ventilation slot with s/s insect mesh as H31/120.

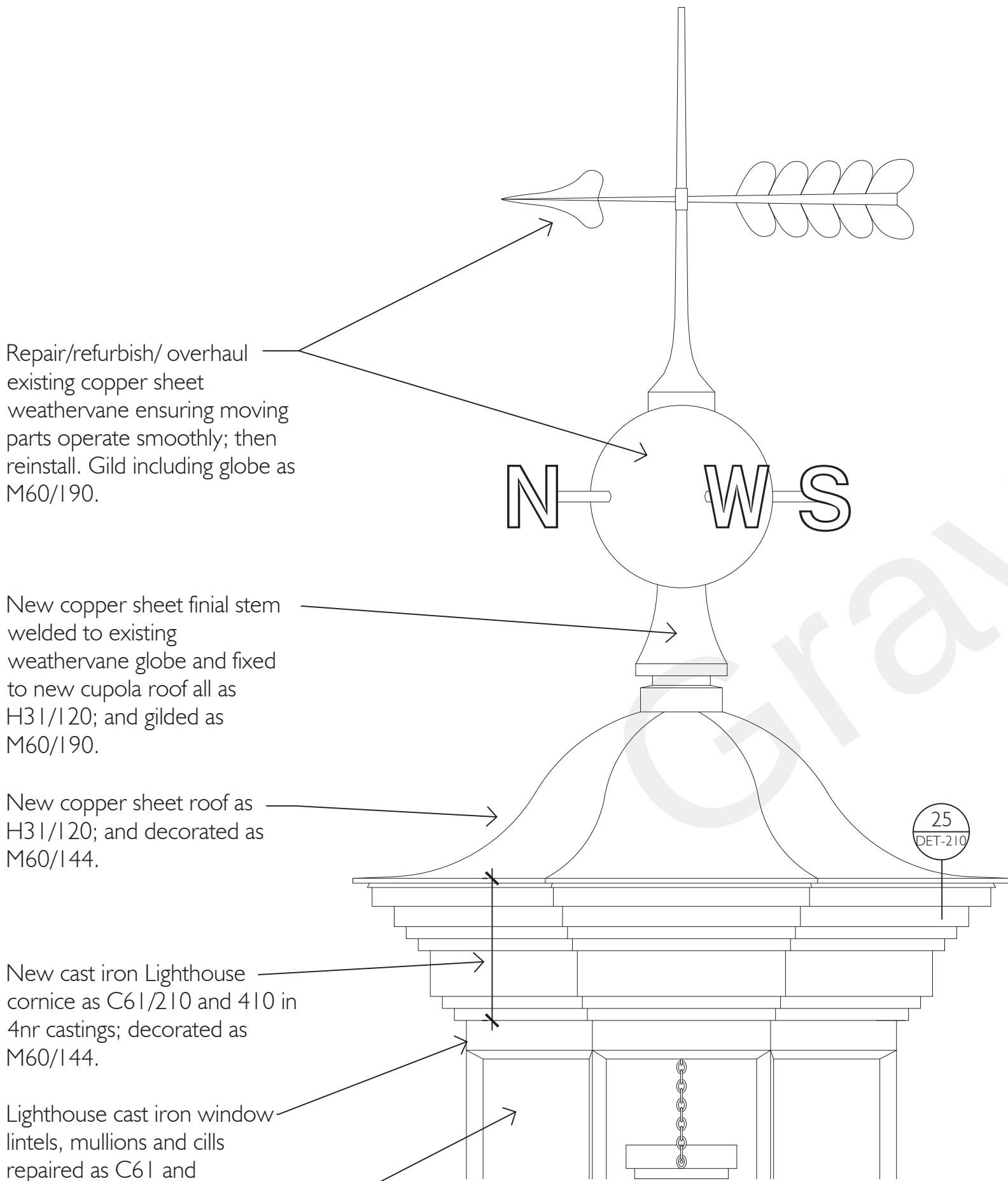
New copper finial stem base joined/ fixed to new cupola roof with butyl rubber sealant tape and self tapping s/s screws with EPDM sealing washers all as H31/120.

Wrought iron support rod and roof bars reinstalled to match original construction as C61/710.

New copper sheet roof as H31/120.

Brass 'U'-clips for intermediate support with one section welded to roof and other section screwed to existing roof bars, all as H31/111 and Z11.

24
DET-210
DETAIL - WEATHERVANE BASE
scale 1:2



Repair/refurbish/ overhaul existing copper sheet weathervane ensuring moving parts operate smoothly; then reinstall. Gild including globe as M60/190.

New copper sheet finial stem welded to existing weathervane globe and fixed to new cupola roof all as H31/120; and gilded as M60/190.

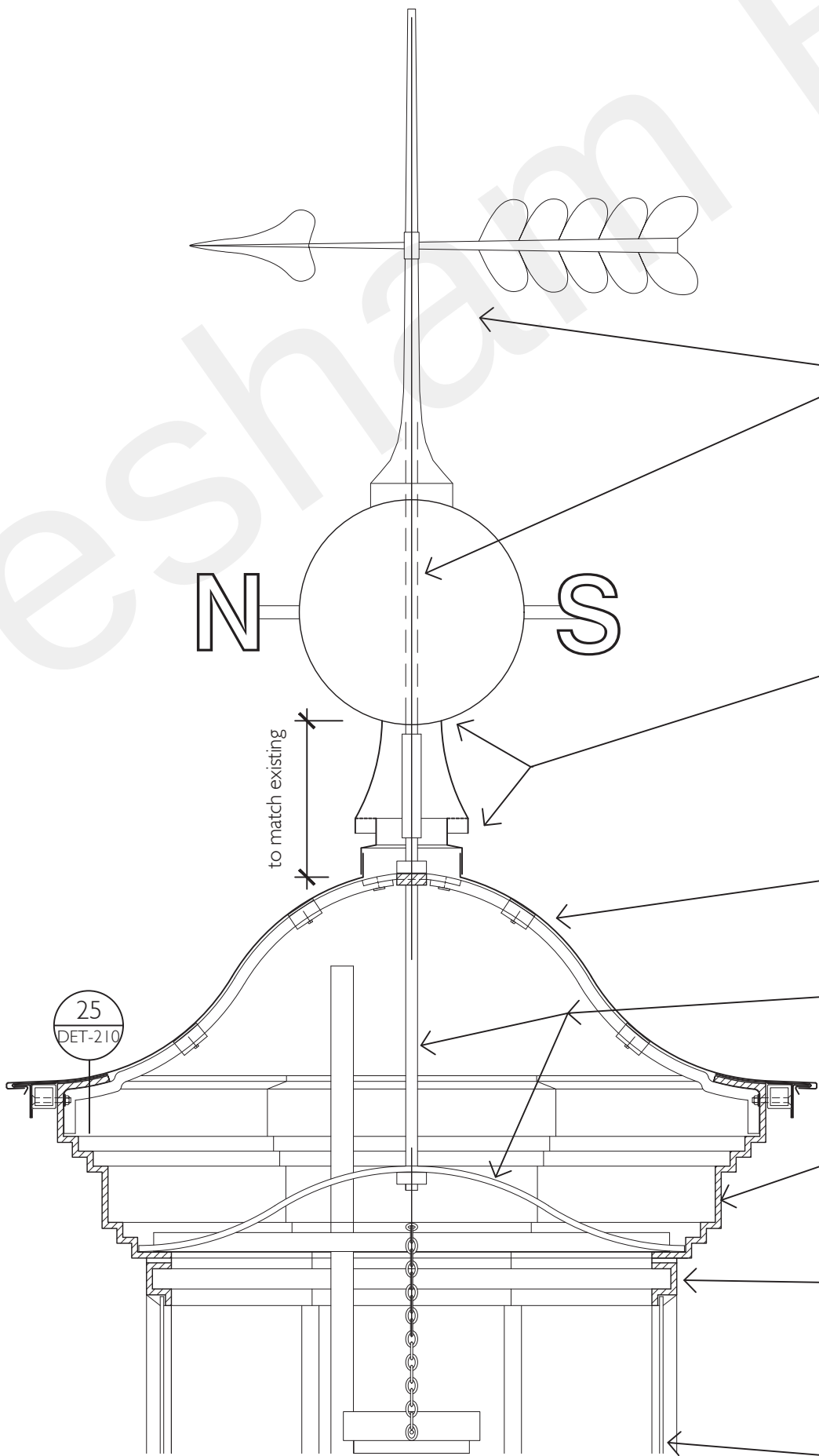
New copper sheet roof as H31/120; and decorated as M60/144.

New cast iron Lighthouse cornice as C61/210 and 410 in 4nr castings; decorated as M60/144.

Lighthouse cast iron window lintels, mullions and cills repaired as C61 and redecorated as M60/142.

New putty fronted single glazing as L40/210.

22
DET-210
ELEVATION - CUPOLA ROOF
PROPOSED - scale 1:10



Repair/refurbish/ overhaul existing copper sheet weathervane ensuring moving parts operate smoothly; then reinstall complete with wrought iron threaded support rod.

New copper sheet finial stem welded to existing weathervane globe; finial stem to incorporate min 25mm ventilation slot; stem base fixed to new cupola roof; all as H31/120.

New copper sheet roof as H31/120; and decorated as M60/144.

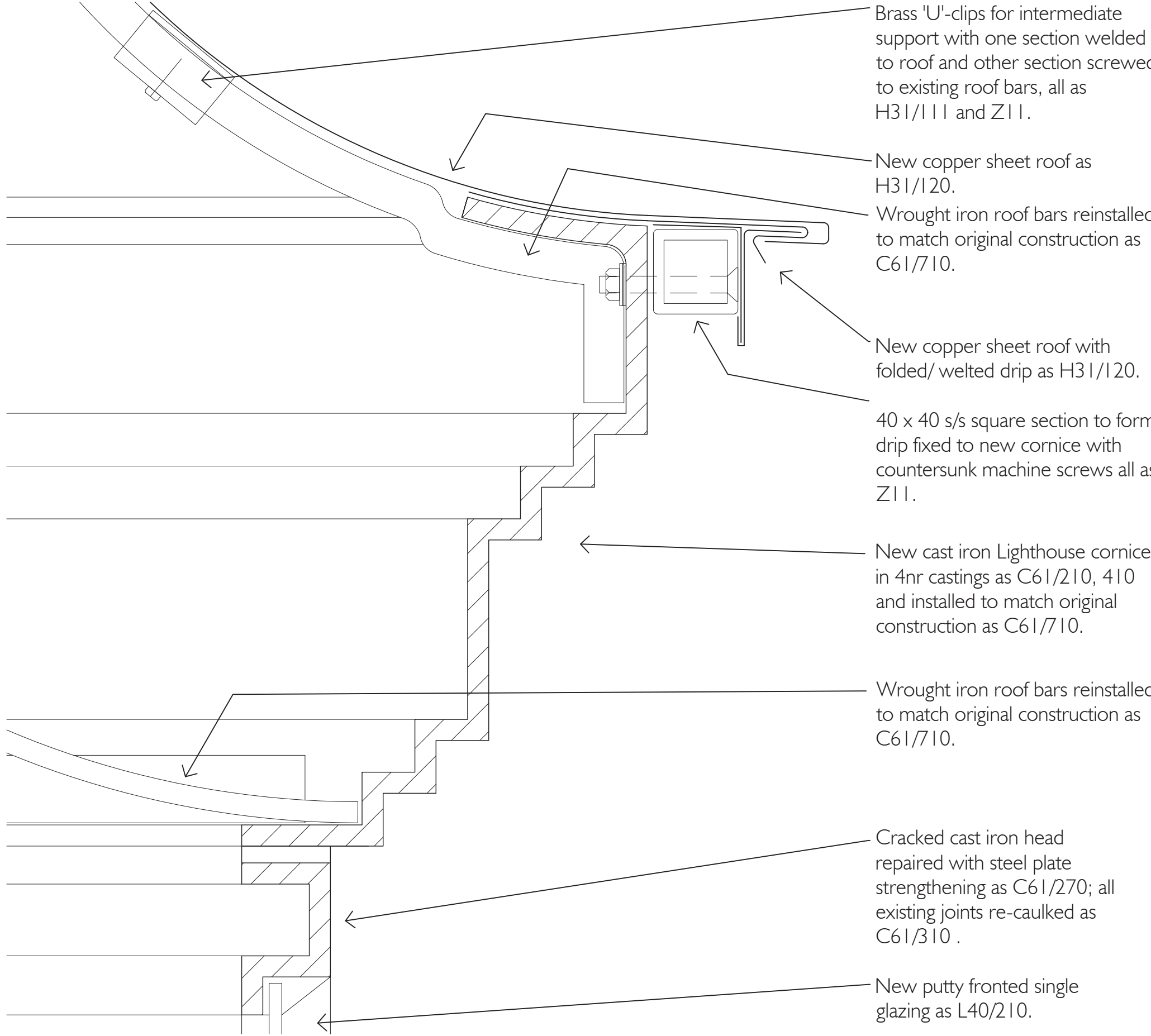
Wrought iron support rod and roof frame bars reinstalled as C61/710.

New cast iron Lighthouse cornice in 4nr castings as C61/210, 410 and 710.

Cracked cast iron head repaired with steel plate strengthening as C61/270; all existing joints re-caulked as C61/310.

New putty fronted single glazing as L40/210.

23
DET-210
SECTION - CUPOLA ROOF
PROPOSED - scale 1:10



Brass 'U'-clips for intermediate support with one section welded to roof and other section screwed to existing roof bars, all as H31/111 and Z11.

New copper sheet roof as H31/120.

Wrought iron roof bars reinstalled to match original construction as C61/710.

New copper sheet roof with folded/ welted drip as H31/120.

40 x 40 s/s square section to form drip fixed to new cornice with countersunk machine screws all as Z11.

New cast iron Lighthouse cornice in 4nr castings as C61/210, 410 and installed to match original construction as C61/710.

Wrought iron roof bars reinstalled to match original construction as C61/710.

Cracked cast iron head repaired with steel plate strengthening as C61/270; all existing joints re-caulked as C61/310.

New putty fronted single glazing as L40/210.

25
DET-210
DETAIL - CUPOLA ROOF EAVE
scale 1:2

DO NOT SCALE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING DIMENSIONS & ANY DISCREPANCY IS TO BE REFERRED TO THE ARCHITECT.

-	Issue for Tender	June 2022
REV.	AMENDMENT	DATE

THOMAS
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& PARTNERS
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PROJECT
GRAVESEND
ROYAL TERRACE PIER
ROOF & ASSOCIATED REPAIRS

TITLE
PIER HEAD LIGHT TURRET
CUPOLA ROOF DETAILS
EXISTING & PROPOSED

DRAWN	DATE	SCALES	CHECKED
SMcC	JAN 2022	1:10 @ AI	SMcC
PROJECT REF.	DWG. No.	REV.	
353006	DET-210	-	