

Notes:

1. This drawing is to be read in conjunction with all relevant Architect's, Engineer's and specialists' drawings and specifications.
2. Do not scale from this drawing in either paper or digital form. Use written dimensions only. To check that this drawing has been printed to the intended scale this bar should be 50mm long @ A1 or 25mm long @ A3.
3. Health & Safety :
All specific drawing notes are to be read in conjunction with the project "Information Pack" and "Site Rules".
4. All new steelwork not dipped galvanised and painted in accordance with the specification.
5. - To be confirmed following inspection of position of existing rail cut.

3. Health & Safety :



6. All sizes, dimensions and details on this drawing are the assumed (likely) repair details. They may need to be changed following final opening up work.
7. Do not order materials until final opening up has been done and inspected, and all alterations instructed. Allow for sufficient time in the contract for the inspection and preparation of any revised details.
8. Existing column heads to be tied to scaffolding prior to removal of existing structure.
9. Existing column heads to be tied back to remove all corrosion product. Column caps to be inspected and wall thicknesses measured with ultrasonics.
10. Wall thickness of all columns to be checked by ultrasonic testing - all 4 faces of each column at 1m vertical centres.
11. All new bolts to be galvanneal.

10. All new bolts to be galvanised.

**TENDER ISSUE
NOT FOR CONSTRUCTION**

4	18.06.18	NW	SW	Notes revised
3	15.04.18	NW	SW	Notes added for clarity - see revision clouds
2	20.12.15	NW	SW	Issued for Tender
1	11.12.15	NW	SW	Issued for Information
Per	Date Drawn	Eng	Amendment	

THE OCTAGON
PAVILION GARDENS
HIP RAFTER END,
COLUMN AND SPANDREL
REPAIRS

Status

FOR INFORMATION
NOT FOR CONSTRUCTION

Drawn	n/w	Eng	SW
Scales As noted at A1			
Drawing No		Ver	
23765/30		4	

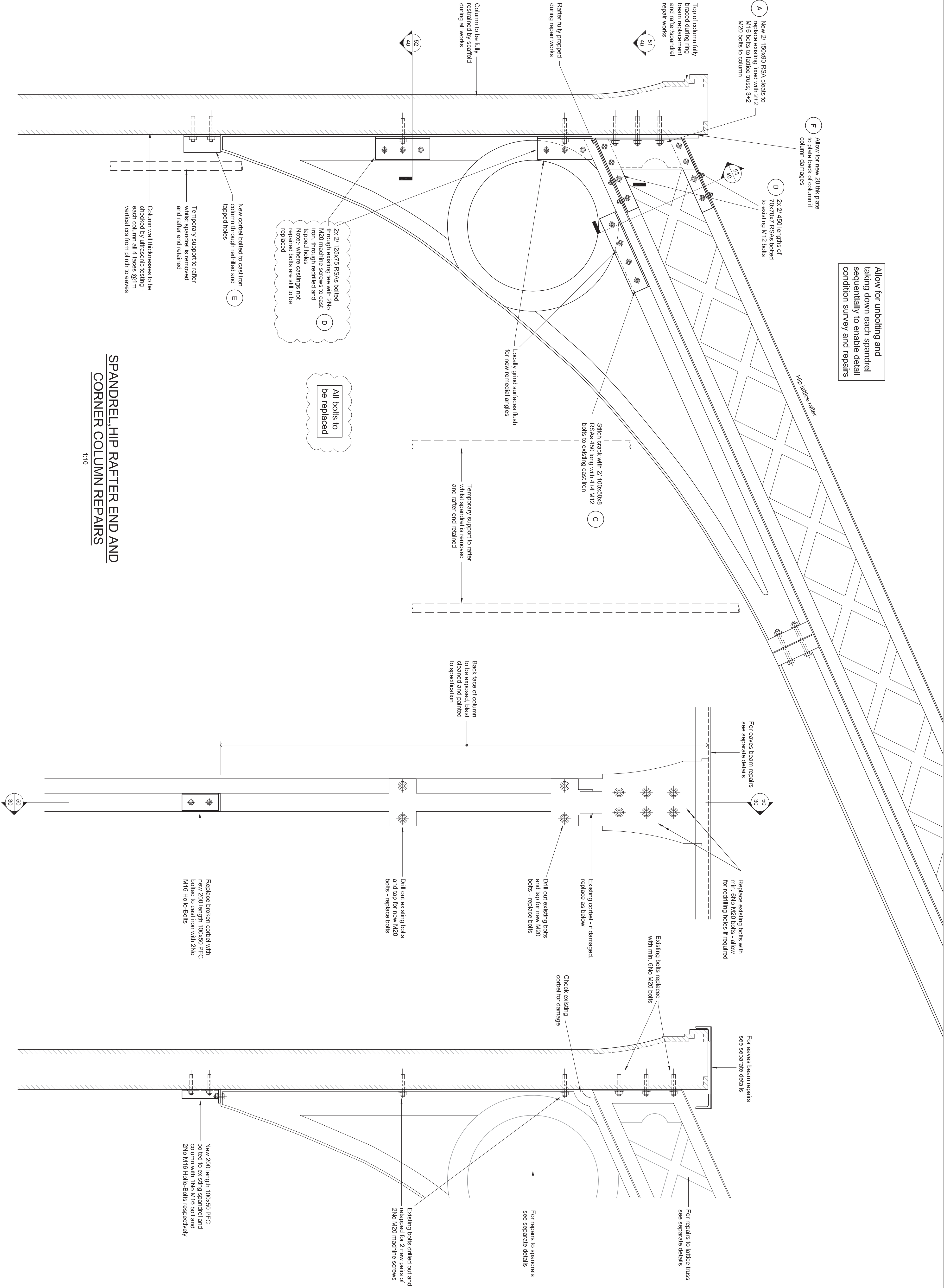


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Allow for unbolting and taking down each spandrel sequentially to enable detail condition survey and repairs

F Allow for new 20 thk plate to plate back of column if column damages

A
New 2" 130x30 KSA cleats to
replace existing fixed with 2+2
M16 bolts to lattice truss; 3+2
M20 bolts to column

B 2x 2/ 450 lengths of
70x70x7 RSAs bolted
to existing M12 bolts

C
RSAs 450 long with 4+4 M12
bolts to existing cast iron

Locally grind surfaces flush
for new remedial angles

Temporary support to raft
whilst spandrel is removed
and rafter end retained

Back face of coating to be exposed, cleaned and painted to specification

For eaves beam repairs see separate details

Replace existing bolts with min. 6No M20 bolts - allow for redrilling holes if required

Existing corbel - if damaged,
replace as below

Drill out existing bolts and tap for new M20 bolts - replace bolts

Drill out existing bolts and tap for new M20 bolts - replace bolts

Replace broken corbel with new 200 length 100x50 PFC bolted to cast iron with 2No M16 Hollo-Bolts

For eaves beam repairs
see separate details

Existing bolts replaced with min. 6No M20 bolts

Check existing —
corbel for damage

For repairs to spandrels
see separate details

CORNER COLUMN REPAIRS; VIEW OF
INSIDE FACE OF 8NO CORNER COLUMNS

CORNER COLUMN REPAIRS; SECTION 50-50
(SHOWING FIXING OF RAFTER AND

SPANDREL, HIP RAFTER END AND CORNER COLUMN REPAIRS

All bolts to
be replaced

2X 2/125x75 RSAs bolted through existing tee with 2M20 machine screws to cast iron, through redrilled and tapped holes

Note:- where castings not repaired bolts are still to be replaced

column through redrilled and tapped holes

Temporary support to rafter whilst spandrel is removed and rafter end retained

- Column wall thicknesses to be checked by ultrasonic testing - each column all 4 faces @1m vertical crs from plinth to eaves

1:10