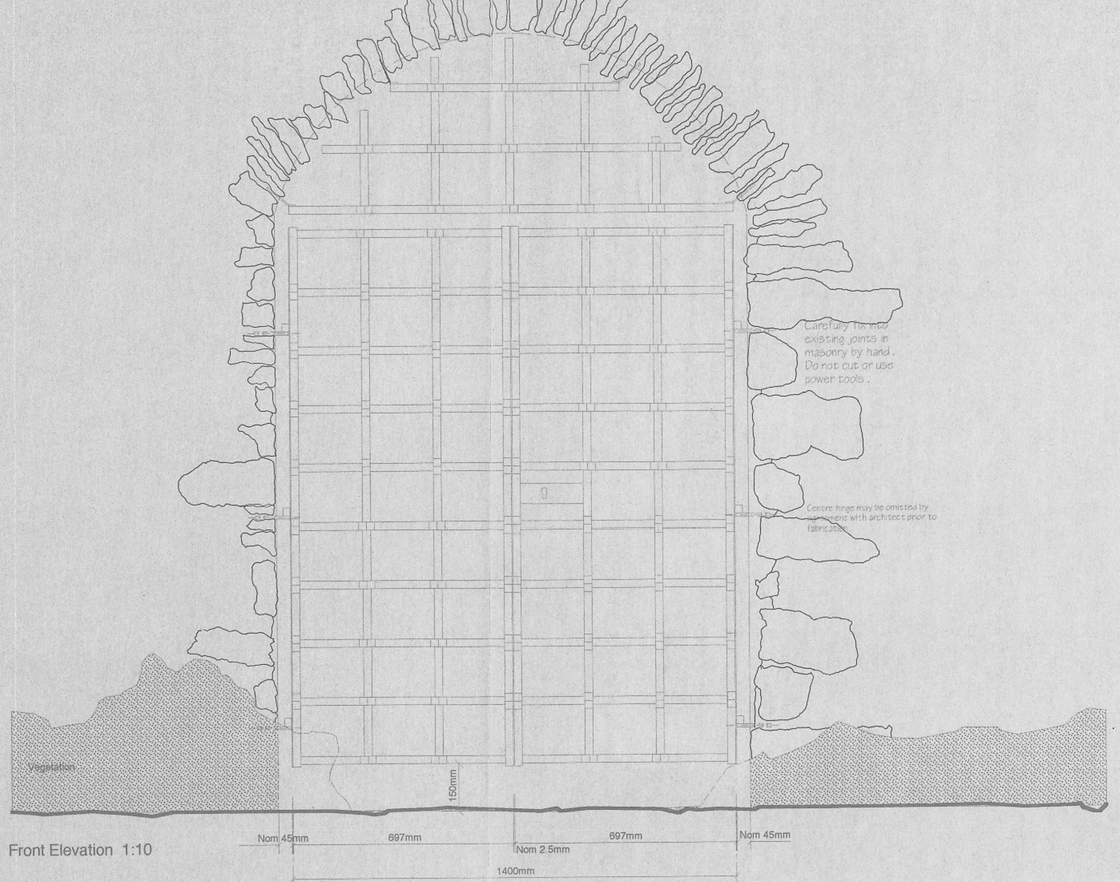
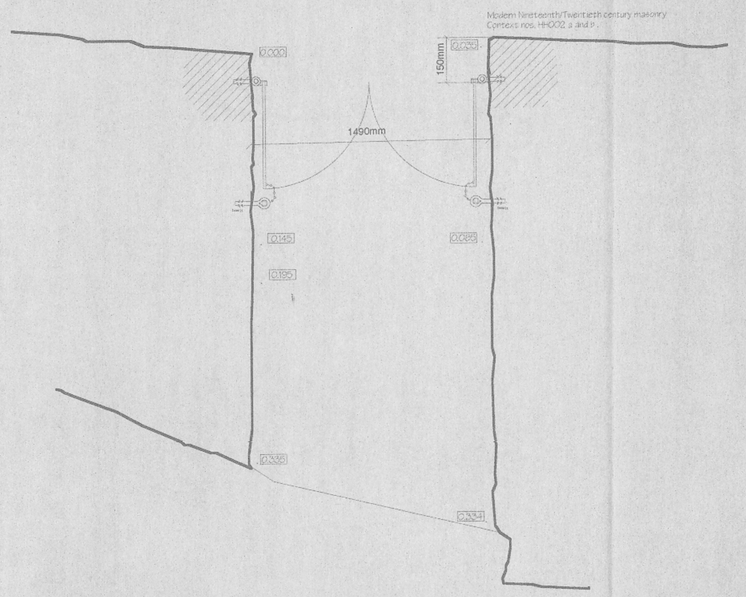


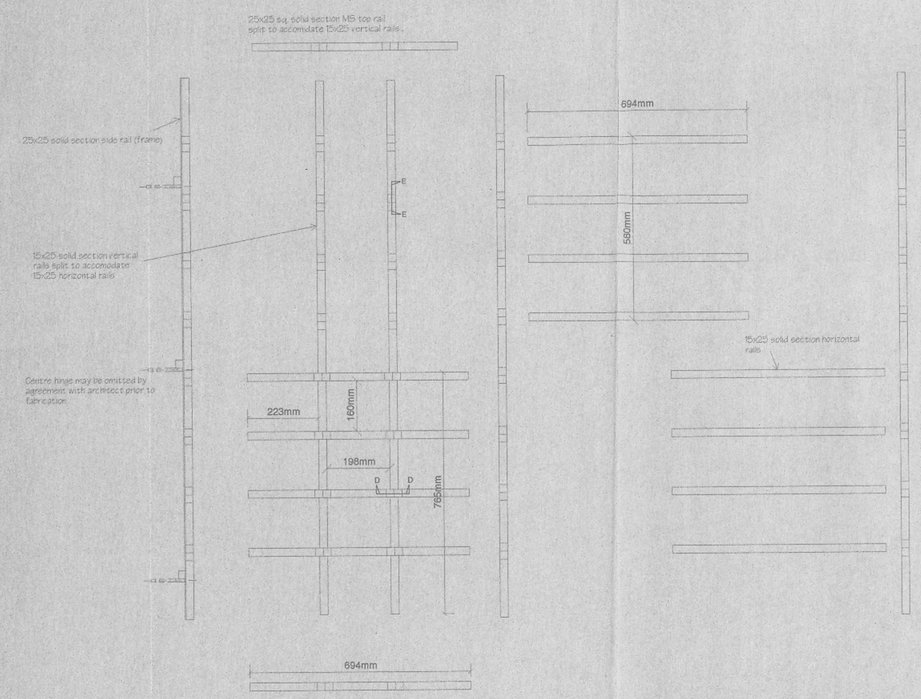
Front Elevation 1:10



1:20 Plan

NOTES :

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2. All dimensions to be templated and checked on site prior to fabrication and any discrepancies to be reported to the architect immediately.
3. The site is a scheduled ancient monument. Under no circumstances will cutting up of masonry, excavations or other ground disturbance, use of power tools, mixing of mortar on the solum, or other damaging operations be permitted.
4. Masonry is in poor condition. Ensure that all operatives wear PPE including hard hats. Monitor masonry regularly for evidence of movement during works.
5. Materials:
   Yett : Galvanised mild steel or wrought iron.
   Hinges and Holdfast : Stainless steel or phosphor bronze.
5. Observe all safety rules during installation.



Note : The position of Splits/ vary. The yett is quartered & relationship of horizontal/vertical rails changes with every quarter.

MATERIALS GENERALY

Grades of metals, section dimensions and properties to be the appropriate British Standard. When not specified, select grades and sections appropriate for the purpose. Prefinished metal may be used if methods of fabrication do not damage or alter appearance of finish and finish is adequately protected. Fastenings to be the appropriate British Standard and, unless specified otherwise, to be of the same metal as the component, with matching coating or finish.

Do not permit contact between dissimilar metals in components which are to be fixed where moisture may be present or occur or bimetallic corrosion occur generally. Isolate dissimilar metals using a suitable durable non-conductive material such as neoprene, synthetic resin bonded fibre (SRBF,PTFE) or hard nylon. Insulation tape or bitumen paint will not be acceptable. Finished components to be rigid and free from distortion, cracks, burrs and sharp arrises. Moving parts must move freely and without binding. Unless specified otherwise, mitre corner junctions of identical sections.

Hinges,holdfast and cranked straps will be of austenitic stainless steel to BS6825 PF 18-10-3 chromeinickel/molybenum alloy or equal and approved by architect in advance. Surface lightly finished using a grinder or blasting to remove the polish, the exposed sections painted to match the yett, and black graphite grease applied to the hinge pins.

ORDER OF FABRICATION

1)Fabricate two halves as shown. Note that they are not identical, but vary due to quartered relationship.
2)Slip top & bottom bars over main vertical bar ends & weld in place.
3)Slip 2no. side bars over main horizontal bar ends, including top and bottom bar ends & and weld in place.

FABRICATION GENERALY

Fabricate components carefully and accurately to ensure compliance with design and performance requirements.

WELDING/BRAZING

Thoroughly clean sufaces to be welded. Ensure accurate fit using clamps & jigs where practicable. Use tack welds only for tempoary attachment unless specified otherwise. Make joints with parent & filler. Metal fully bonded throughout with no inclusions, holes, porosity or cracks. Completely remove all traces of flux, residue & slag. Rust welds which will be visible in the completed work to be finished smooth, flush with adjacent surfaces.

PAINTING

Apply paint to all components in workshop after fabrication is complete & all fixing holes have been drilled. Remove all welding slag, weld splatter, anti-splatter compounds, paints, grease, flux, rust, burbs and sharp arrises. Make good all defects which would show after aplication of coating & finish surface smooth.
Apply 1 no. coat Dulux Trade mordant solution or 1 no. coat Dulux Trade metal primer followed by 1 no. coat Dulux Trade micaceous iron oxide and 2 no. coats Dulux High Trade Gloss, colour black to be confirmed by CA, all to be applied in full accordance with manufacture's instructions.

LIME MORTARS :
Obtain all Lime mortars from
Masons Mortar,
77 Salamander Street,
Leith,
Edinburgh.
TEL No. 0131-555-0500,
FAX No. 0131-553-7158

Comply fully with manufacturers instructions

LIME MORTAR TAMPING AND POINTING

PINNINGS AND LOOSE STONES : Retain all dislodged pinnings and loose stones, record their general positions and characteristics and keep for reuse. Where possible lay dislodged stones and pinnings back in their correct general location for later building in. Cross refer below in respect of pinnings generally. Carefully rake out (not cut out) mortar as required. Work back to a sound mortar face at the back of the joint. Where possible use only hand tools such as quirks, plasterers small tools, half hacksaw blades, specially made steel hooks, etc. Do not use chisels which are wider than the joints width and avoid damage to stone arrises and widening joints. Do not under any circumstances use power tools to remove decaying or friable mortars. Retain pinnings. Thoroughly clean out all beds and joints wash out and allow excess moisture to dry off. If necessary, re-dampen the void before placing new mortar. The work should be damp but without surface water.

FILLING DEEP JOINTS AND VOIDS : Minor adjustments may be made to the proportions of the mortar ingredients with the agreement of the CA.Knock up mortar for use by placing on a clean surface and thoroughly work up by beating, chopping and ramming. It should not normally be necessary to add water. Ensure joints are thoroughly cleaned out and dampened. Where necessary wedge and pin up loose stones. Place mortar and fill compact in layers, gently hammering in small pinnings and pieces of stone to force the mortar well back into the cavity and to reduce the volume of mortar present in one place. In deep cavities work in layers allowing the material to dry before placing the next layer. Build in pinnings to match the original detail as the works proceeds.

REPOINTING : Bring the mortar forward to the finished pointing surface and allow to stiffen up before finishing the surface. Keep the mortar slightly damp and work back any initial shrinkage cracking in non-hydraulic mortars as necessary. When arrises of the stones are eroded finish the surface of the joints slightly back within the joint to retain the line of the original joint width. When mortar has stiffened up finish the surface of the joint to match adjacent work in detail of surface profile, texture, colour and overall appearance.

CURING OF POINTING : Protect new mortar against rapid drying and damage by rain. Protect new lime mortar work against rapid drying and frost by means of windbreak netting to the scaffold, hessian sheets or panels kept damp as required, polythene sheeting or haps laid over the work etc. Where necessary regular light spraying should be carried out to maintain this moist condition. Lime mortar should not be used after the end of September unless full frost protection will be available for the duration of the following winter.

A Yetts design altered. JMF 24/1/98
REVISIONS

JOB: Castle Tioram, Moidart, Inverness-shire

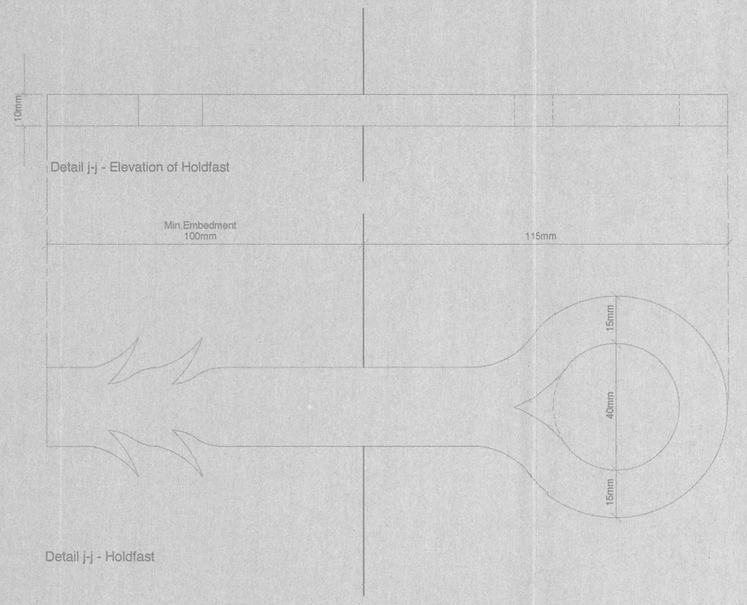
DRAWING: Proposed Yett Plan and Elevations

SCALE: 1:10/1:20 | DRAWN: J.M.F./P.D. | DATE: 7/98

DRAWING NO: 5439 / 02 | REV: A

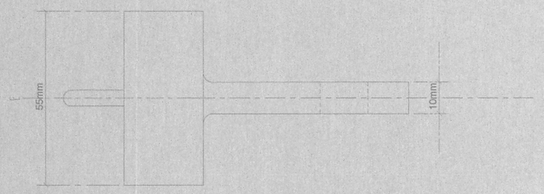
CLIENT: Anta Estates Ltd

ARP LORIMER AND ASSOCIATES
ARCHITECTS AND QUANTITY SURVEYORS
19 WELLINGTON SQ AYR TEL 01292 289777

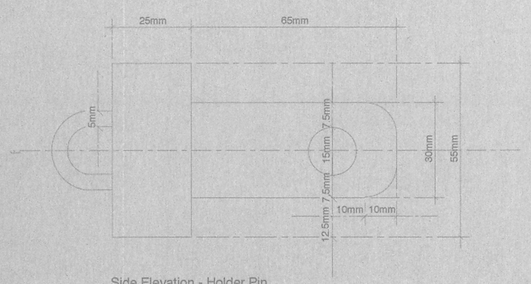


Detail j-j - Elevation of Holdfast

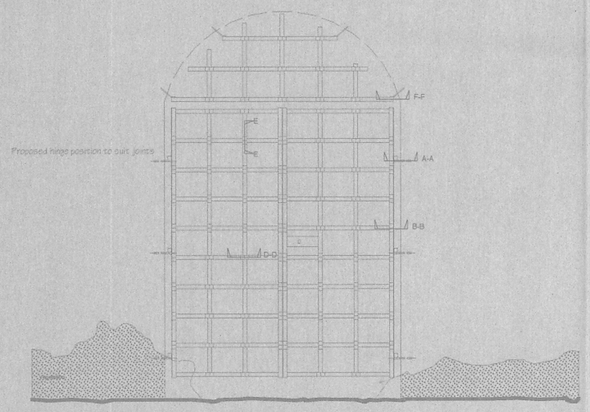
Detail j-j - Holdfast



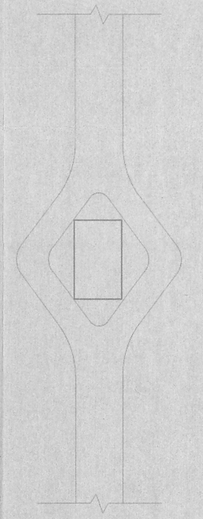
Elevation - Holder Pin



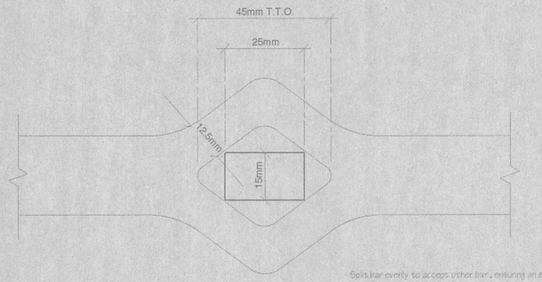
Side Elevation - Holder Pin



Front Elevation 1:10

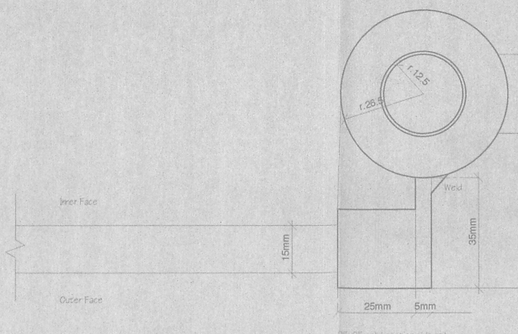


Detail E-E - Junction



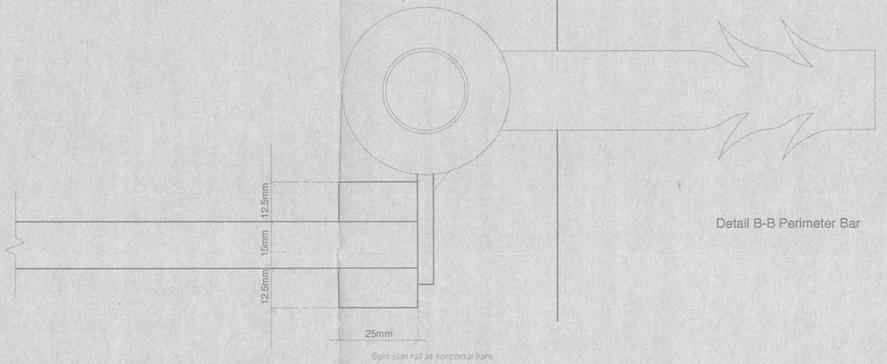
Detail D-D - Junction

Split bar evenly to accept other bar, ensuring an even, consistent overall appearance at all splits.

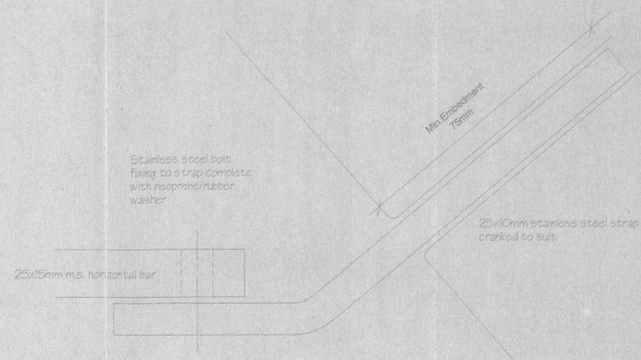


Detail A-A - Hinge

Carefully rake out joints by hand, ensuring enough space for hinge and taking care not to damage masonry. Insert custom made non-ferrous fixings as indicated, ensuring firm fixing. Point up full depth in layers max.25mm using 1:3 St.Astier moderately hydraulic lime : sand mix. Hinges to be positioned on-site to suit masonry joints.

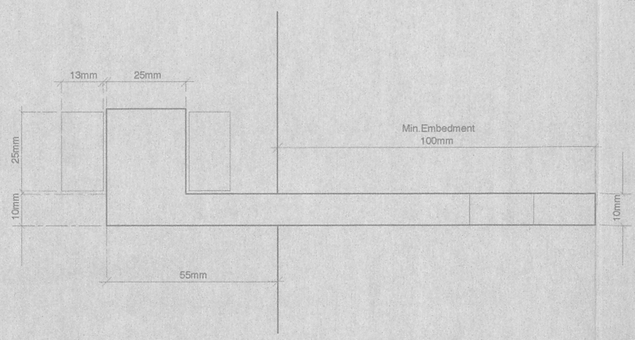


Detail B-B Perimeter Bar

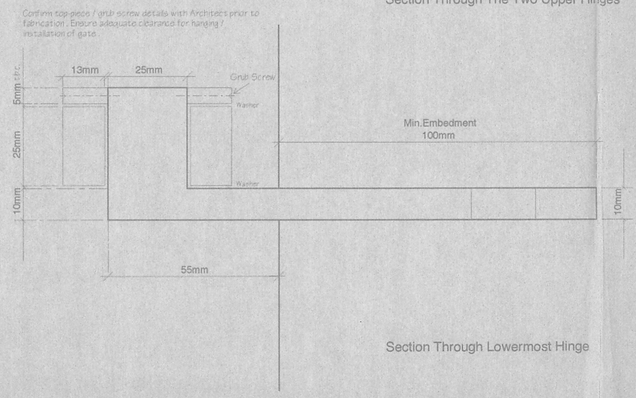


Detail F-F CRANKED STRAP

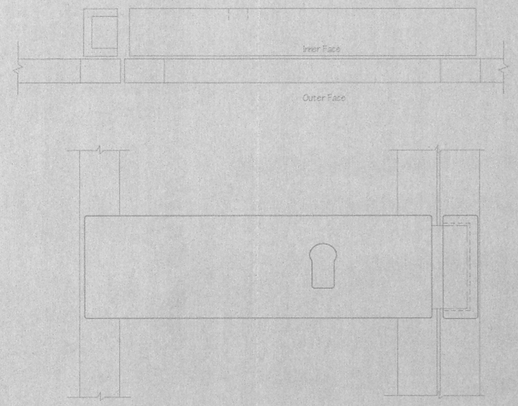
Carefully rake out joints by hand, ensuring enough space for crank and taking care not to damage masonry. Insert custom made non-ferrous fixings as indicated, ensuring firm fixing. Point up full depth in layers max.25mm using 1:3 St.Astier moderately hydraulic lime : sand mix. Straps to be positioned to suit mortar joints and horizontal bar positions.



Section Through The Two Upper Hinges



Section Through Lowermost Hinge



Custom made large key Rim lock with hammered finish complete with matching keeper. Agree details and sizes with Architect prior to fabrication.

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   Hinges and Holdfast : Stainless steel or phosphor bronze.
6. Observe all site safety rules during installation.

C Lock detail added JMF 24/11/98
B Hinge detail changed JMF 4/8/98
A Cranked strap added pd 4/8/98
Revisions

JOB: Castle Tioram, Moidart, Inverness-shire
DRAWING: Proposed Yett Construction Details
SCALE: 1:1,1:2,1:20 DRAWN: J.M.F./P.D. DATE: 7/98
DRAWING NO: 5439 / 03 REV: C
CLIENT: Anta Estates Ltd

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ARCHITECTS AND QUANTITY SURVEYORS
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