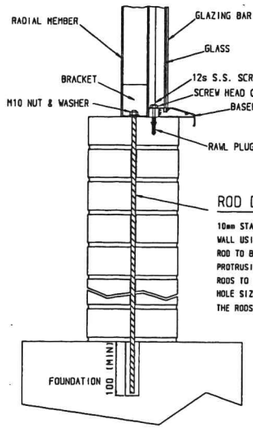
IMPORTANT NOTE:
ALL BASE DIMENSIONS TO BE WITHIN PLUS OR MINUS 5.00mm UNLESS OTHERWIDE STATED

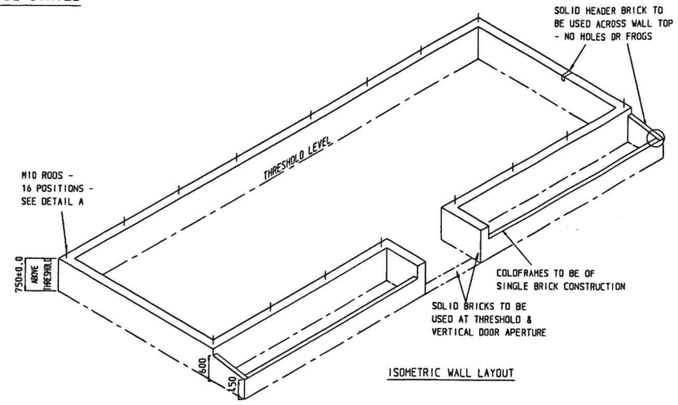


SCALE 1:5

ROD DETAILS FOR 16 LOCATIONS

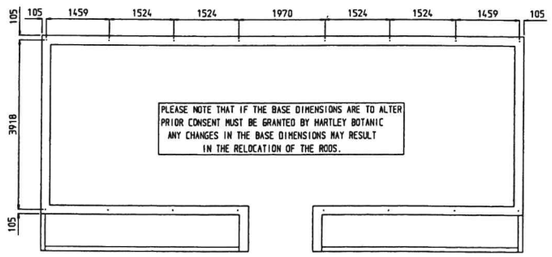
10mm STAINLESS STEEL ROD RESIN ANCHORED INTO WALL USING KEMFIX K8 EPOXY RESIN OR SIMILAR.
ROD TO BE THREADED M10 100mm FROM EACH END, (OR SCREWED BAR).
PROTRUSION FROM TOP OF WALL TO BE 50mm PLUS OR MINUS 10mm.
RODS TO BE FIXED INTO FOUNDATION A MINIMUM OF 100mm.
HOLE SIZE IN FOUNDATION = 4mm MIN LARGER THAN ROD DIAMETER.
THE RODS ARE THE CLIENTS/BUILDERS RESPONSIBILITY.

DETAIL A



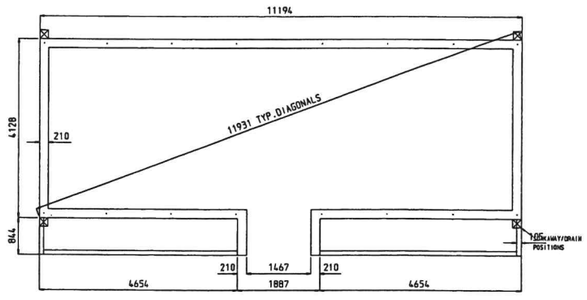
ISOMETRIC WALL LAYOUT

PLEASE NOTE: CLIENT / BUILDER TO INSTALL RODS - SEE DETAIL A



WALL PLAN SHOWING ROD POSITIONS - SEE DETAIL A

IMPORTANT NOTE
IF THE 210mm WALL DIMENSIONS IS TO CHANGE THEN HARTLEY BOTANIC MUST BE NOTIFIED IMMEDIATELY.

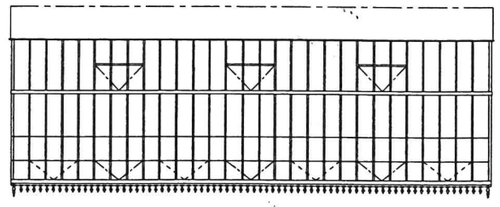


WALL PLAN

PLEASE READ ALL INSTRUCTIONS BEFORE COMMENCING. IF YOU HAVE ANY DOUBTS AS TO THE SPECIFICATIONS THAT WE REQUIRE PLEASE CONTACT HARTLEY BOTANIC LTD.

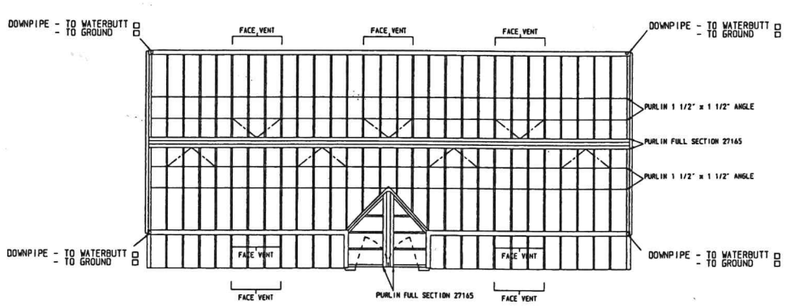
DO NOT SCALE

IF IN DOUBT CONTACT
HARTLEY BOTANIC

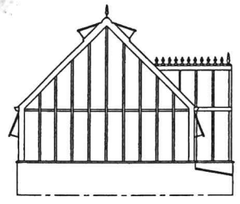


REAR ELEVATION

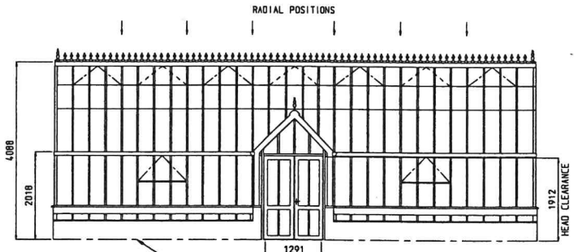
PLEASE NOTE: A CLEARANCE OF 500mm MINIMUM IS REQUIRED AROUND THE ENTIRE PERIMETER OF THE GLASSHOUSE FOR ACCESS



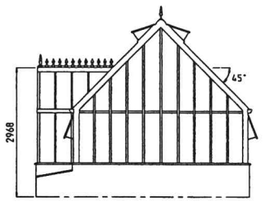
PLAN VIEW



END ELEVATION



FRONT ELEVATION



END ELEVATION

THRESHOLD AND INTERIOR PATH LEVEL WHICH SHOULD BE SLIGHTLY ABOVE NORMAL GROUND LEVEL
THE THRESHOLD LEVEL IS THE LEVEL AT WHICH THE DOOR WILL OPERATE WITH NORMAL CLEARANCE
THIS SHOULD BE THE FINISHED FLOOR LEVEL INSIDE THE GLASSHOUSE. WALLTOP TO BE 750mm ABOVE THRESHOLD.

STONE WORK NOTES ARE AVAILABLE ON REQUEST FROM HARTLEY BOTANIC

NOTES RELATING TO FOUNDATION AND WALLING (CLIENTS RESPONSIBILITY)

All brickwork to be constructed with a minimum compressive strength of 20N/mm bricks using mortar designation to BS5628: Part 1:1992 Table 1. See table below for mix details of standard class morter designation.

Type of Mortar (portion by volume)	
Cement: Lime: Sand	1: 1/2 to 8
Masonry Cement: Sand	1:4 to 8
Cement: Sand with Plasticizer	1:3 to 8

The mixing and use of morters should be in accordance with the recommendations given in BS5268: part 3 or BS5390. Ready mix morters should comply with the requirements of BS4721 and be equivalent to the above specification.

All facing brickwork from 150mm above ground level to be constructed using type MN or ML bricks (BS3921) with water absorption not exceeding 12%.

All brickwork up to 150mm above ground level from the top of the foundation to be constructed with engineering class B bricks with water absorption not exceeding 7%.

For fully bonded construction, the brickwork is to be constructed in either of the following:

A: English bond -- one course of headers and one course of stretchers alternately.

B: Flemish bond -- headers and stretchers alternately in the same course.

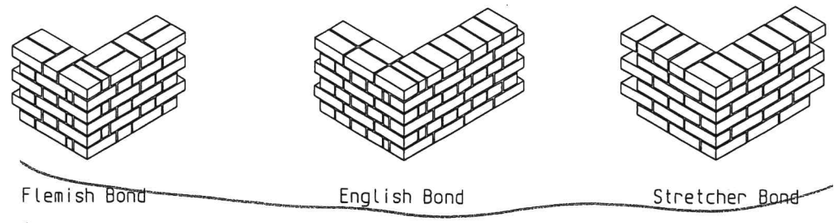
If the wall is to be constructed with two parallel leaves, this is to be half stretcher bond with no cavity. Wall ties are to be provided at centres not exceeding 450mm vertical and 450mm horizontal. All wall ties to be of the stainless steel double triangle type to BS1243 and in accordance with DD140: part 2: 1987 and BS5268: part 2: 1996.

If a damp proof course is to be used, the membrane must have morter above and below (effectively sandwiched in the morter bed), and must not lie directly against the brickwork.

If a damp proof course is not used, then it is recommended that a waterproofing agent is added to the morter mix.

The foundation, or footing should be of a suitable depth to suit local ground conditions. The depth of the foundation is the client/builder's responsibility.

Client/Builder to install wall rods & lead flashing if not otherwise specified.



GENERAL NOTES:
STRUCTURE BUILT IN ALUMINIUM ALLOY
POLYESTER POWDER COATED *****
ROOF VENTS OPERATED BY Mk 7 AUTOVENTS
VERTICAL FACE VENTS OPERATED BY MANUAL SWING THROWS
GLAZED IN TOUGHENED SAFETY GLASS
CAST ALUMINIUM RIDGE CRESTING & FINIALS FITTED TO RIDGE
ALUMINIUM SWING DOOR COMPLETE WITH LOCKS & FURNITURE
OGEE ALUMINIUM GUTTERS

COLDFRAMES AS DETAILED

THESE DETAILS MUST BE ADHERED TO

IF YOU HAVE DOUBTS RELATING TO THESE DETAILS

PLEASE CONTACT HARTLEY BOTANIC LIMITED

0 1 2 3 4 5 6 7
SCALE FOR DRAWING IN METRES

3rd ANGLE PROJECTION

DESCRIPTION:

GENERAL ARRANGEMENT DRAWING
THE VICTORIAN GRAND MANOR GLASSHOUSE

CLIENT:-
******
*****
*****
*****
*****
*****

HARTLEY BOTANIC LIMITED
Wellington Road, Greenfield,
Oldham, Lancashire, OL3 7AG.
Tel: 01457 821958 Fax: 01457 821967

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