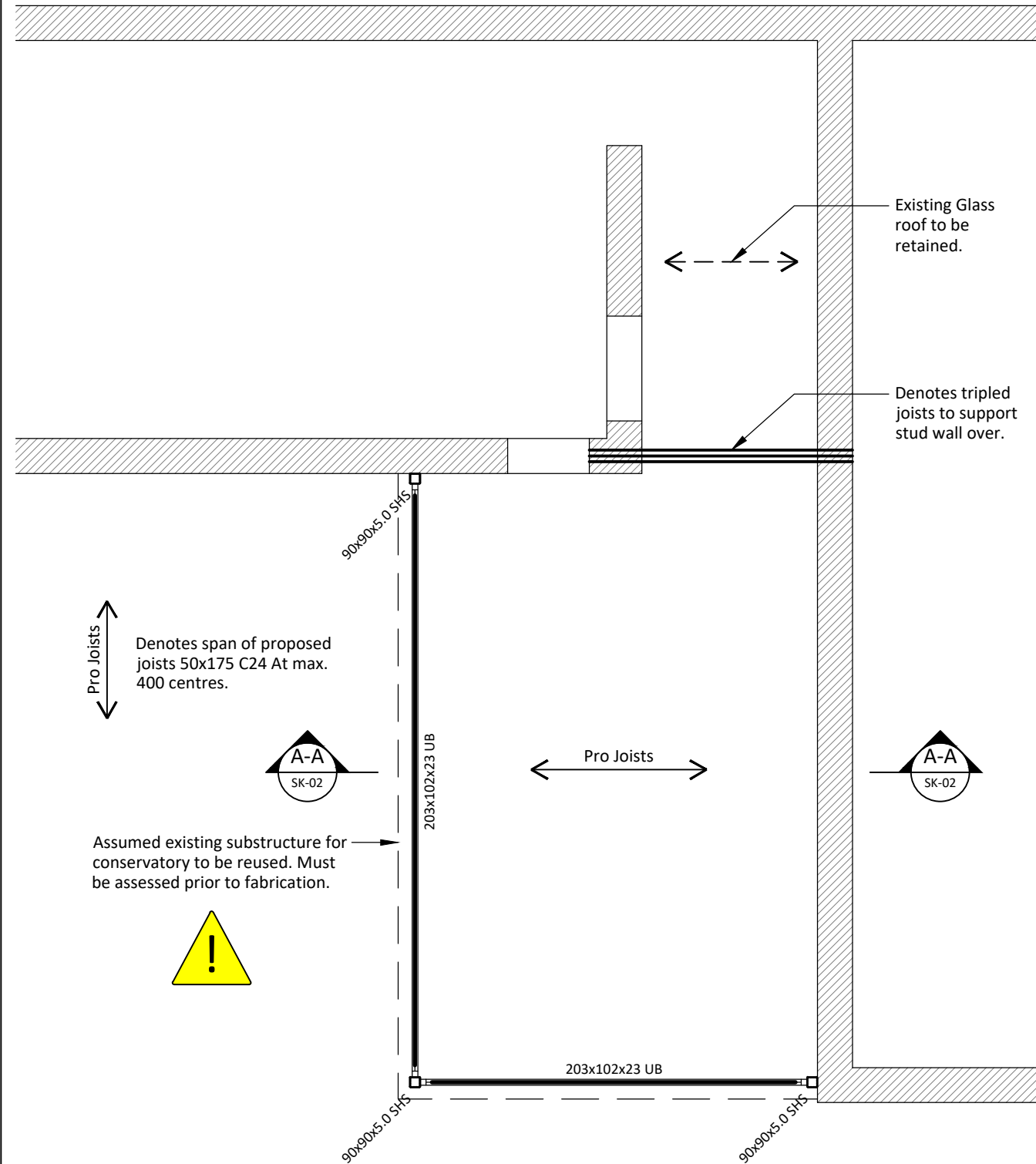




## STEELWORK

- ALL STEELWORK TO BE GRADE S275 TO BS EN 10025 UNLESS NOTED OTHERWISE ON THE DRAWINGS. FABRICATION AND ERECTION OF STEELWORK TO COMPLY WITH THE RELEVANT SECTIONS OF BS 5950 AND "THE NATIONAL STRUCTURAL STEELWORK SPECIFICATION".
- ALL DIMENSIONS ARE TO BE CHECKED ON SITE PRIOR TO ANY FABRICATION WORKS. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY.
- ALL EXPOSED INTERNAL STEELWORK TO BE BLAST CLEANED TO SA 2½ AND PAINTED WITH 1 COAT OF HIGH BUILD ZINC PHOSPHATE EPOXY PRIMER TO A MINIMUM 80µm. DFT WITH A SITE APPLIED ALKYD FINISH TO A MINIMUM 60µm. DFT, COLOUR TO ARCHITECTS SPECIFICATION.
- ALL EXTERNAL STEELWORK TO BE HOT DIPPED GALVANIZED TO BS5950/ EN ISO 1461 TO 85µm. IF COLOURED FINISH IS REQUIRED A MORDANT WASH OR PRIMER SPECIFICALLY FORMULATED FOR USE ON FRESH GALVANIZED SURFACES TO BE APPLIED FOLLOWED BY 40µm. VINYL PRIMER AND 60µm. VINYL FINISH TO ARCHITECTS SPECIFICATION.
- ALL BOLTS TO BE SHERADIZED/BZP.
- ALL BOLTS TO BE GRADE 8.8 U.N.O.
- BEAMS BOLTED TOGETHER USING M20 (8.8) BOLTS @ 500c/c WITH TUBE SPACERS.

**NOTE:**  
All glazing, waterproofing, insulation and Sedum roof by others.  
Sedum Roof load should not exceed 100kg/m².

## GENERAL

- DO NOT SCALE THIS DRAWING, USE ONLY WRITTEN DIMENSIONS. ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEERS. IF IN DOUBT ASK.
- SETTING OUT TO ARCHITECT'S DRAWINGS.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTS, ENGINEERS, AND SPECIALISTS DRAWINGS, AND WITH THE SPECIFICATIONS.
- WORKS TO COMPLY WITH ALL RELEVANT BRITISH STANDARDS, CODES OF PRACTICES, EURO CODES AND THE BUILDING REGULATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURAL INTEGRITY OF THE WORKS AT ALL TIMES BY THE PROVISION OF ADEQUATE TEMPORARY WORKS.
- ALL DIMENSIONS IN MILLIMETRES (mm),
- ALL LEVELS IN METRES (m).

## TIMBER FLAT ROOFS

- TIMBER TO BE GRADE AS FOLLOWS: GRADE C16 TO BS 5628-2:2002 MINIMUM.
- VERTICAL RESTRAINT STRAPS TO BE 30mm. x 2.5mm. THICK GALVANIZED M.S. AT 2000mm. Ctrs. (STRAP LEGS 100 x 900Lg). 100mm. LEG NAILED TWICE TO WALL PLATE AND PLUGGED AND SCREWED TO WALL A MINIMUM OF 3 TIMES USING 50mm. LONG No.10 SCREWS. (LAST FIXING 150mm. MAXIMUM FROM END OF STRAP).
- HORIZONTAL RESTRAINT STRAPS TO BE PROVIDED AT FLAT ROOF JOIST LEVEL AT 2000mm. Ctrs. STRAPS TO BE 30mm. x 5.0mm THICK GALVANIZED MILD STEEL. 100mm. LEG OF STRAP TO BE BUILT INTO WALL. STRAPS TO EXTEND OVER 3 No. FLAT ROOF JOISTS AND TO BE NAILED TWICE TO EACH USING 50mm. LONG 8 SWG NAILS. SOLID NOGGINS ARE TO BE PROVIDED AT STRAP LOCATIONS BETWEEN FLAT ROOF JOIST POSITIONS AND BETWEEN FLAT ROOF JOIST AND WALL.

All Temporary works to be designed by contractor.

Existing structural elements indicated on this drawing are assumed only. To be checked on site by the contractor.

| REV | DESCRIPTION       | DRAWN | CHK'BY | DATE     | CLIENT:              | PROJECT TITLE: | <div><div>M<sup>2</sup></div><div>CIVIL &amp; STRUCTURAL<br/>CONSULTING ENGINEERS</div></div> <div>W: <a href="http://www.m2structural.co.uk">www.m2structural.co.uk</a><br/>E: <a href="mailto:info@m2structural.co.uk">info@m2structural.co.uk</a><br/>T: 01225 285073</div> |
|-----|-------------------|-------|--------|----------|----------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A1  | PRELIMINARY ISSUE | SW    | MD     | 10.09.24 | Mrs A. Caddow        | 75 Bath Road   |                                                                                                                                                                                                                                                                                |
|     |                   |       |        |          | PROJECT REF: M2-3039 | FILE: SK       |                                                                                                                                                                                                                                                                                |
|     |                   |       |        |          | DRG NO.: 01          | REV: A1        |                                                                                                                                                                                                                                                                                |
|     |                   |       |        |          | SCALE (A1): 1:50     | DRAWN: SW      | DRAWING TITLE:<br>Proposed Garden Room Structure                                                                                                                                                                                                                               |
|     |                   |       |        |          | CHECKED: MC          | DATE: SEP 2024 |                                                                                                                                                                                                                                                                                |