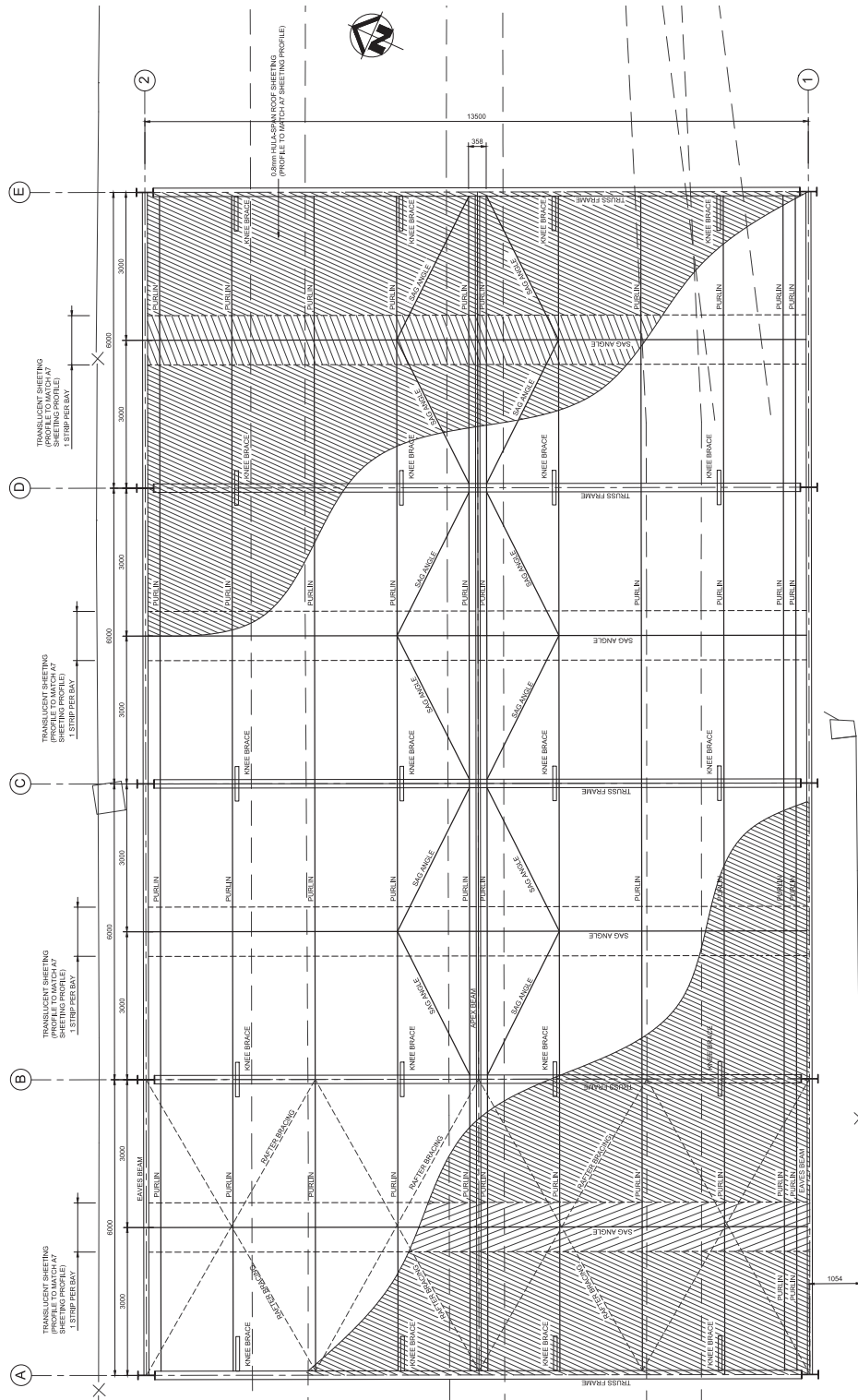




APEX BEAM	102 x 40 D46
RAFTER BRACING	102 x 40 D46
RAFTER BRACING	102 x 40 D46
COLUMN BRACING	120 x 120 x 10 L
SAG ANGLE	50 x 50 x 6 L
TOP CHORD	203 x 140 x 23 T
BOTTOM CHORD	203 x 140 x 23 T
TRUSS BRACING	102 x 40 D46
DIAGONAL CHORD	102 x 40 D46
PURLIN	175 x 45 x 20 x 3
COLUMN	254 x 164 x 31 (4m)

**General**  
 This drawing is to read in conjunction with all relevant architect and engineers drawings.  
 Dimensions must not be scaled or assumed. After verification, discrepancies or missing dimensions will be corrected in writing by the engineer.  
 Levels shown to foundations are provisional and will be finalized by the engineer on site.  
 Foundations have been designed for a permissible bearing pressure of 60 kN/m<sup>2</sup>.  
 Reinforcement shall comply with SANS 1020 and be cast to SANS 1010.  
 Symbols:  
 Y = High yield or cold worked high yield steel bars with characteristic strength of 250 MPa.  
 (Only reinforcement fabricated under the SABS mark shall be deemed to comply with SABS requirements).  
**Concrete** (where applicable the following shall apply)  
 All concrete work shall comply with SANS 10100 - The structural use of concrete.  
 SANS 1020 - The structural use of steel reinforcement.  
 SANS 10100 - The structural use of concrete.  
 A set of six cubes must be made for every 40 cubic meter (portion thereof) of concrete. The cubes must be cured in accordance with SANS 10100, section 10.1.1, and the laboratory must be available for testing at 28 days.  
 The contractor must ensure that the concrete is properly cured and that the curing compound is applied to the surface of the concrete.  
 The contractor must ensure that the concrete is properly cured and that the curing compound is applied to the surface of the concrete.  
 All concrete shall be reinforced according to specification. All concrete must be cast and finished in accordance with the specification and all necessary protection against deterioration.

**NOTES PERTAINING TO STRUCTURAL STEELWORK**  
 1. All structural steelwork fabrication shall comply to SANS 10204.  
 2. All structural steel to be Grade S275W according to SANS 1431 or Steel EN 10025-2 Grade S275W.  
 3. Unless otherwise noted all welds shall be continuous form flat welds.  
 4. All steelwork shall be shop primed with an approved primer and then shop painted.  
 5. All metal surface defects such as burrs and weld spatter, etc. shall be corrected before painting.  
 6. The contractor must ensure adequate structural stability of the structure for the full duration of erection.  
 7. The contractor must confirm all dimensions on site.  
 8. All steelwork must be checked and approved by the engineer immediately after erection.  
 9. All painting to be done in accordance with the works information.  
 10. All fasteners in accordance with works information.



ROOF LAYOUT PLAN  
150

<p><b>TRANSCENT CAPITAL PROJECTS</b>                  277 MANAYATA GARDEN ROAD                  DURBAN                  P.O. BOX 10116 DURBAN                  TEL: 031 341 0588                  FAX: 031 341 0181</p>		<p><b>TRANSCENT CAPITAL PROJECTS</b>                  277 MANAYATA GARDEN ROAD                  DURBAN                  P.O. BOX 10116 DURBAN                  TEL: 031 341 0588                  FAX: 031 341 0181</p>																									
<p><b>PORT OF DURBAN</b>                  CONSTRUCTION OF A SHED OVER THE                  LOCOMOTIVE TESTING AREA AT TRE - BAYHEAD                  STRUCTURAL STEEL ROOF LAYOUT PLAN</p>		<p>PROJECT NUMBER: 25240515                  DRAWING NO: LA-0102                  SHEET: 1 OF 10</p>																									
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<p>NOTES</p> <ol style="list-style-type: none"> <li>DO NOT SCALE DRAWING - ONLY DIMENSIONS SHOWN TO BE USED.</li> <li>THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS AND LEVELS ON THE SITE AND NOTIFY THE NEC SUPERVISOR OF ANY VARIATIONS BEFORE CONSTRUCTION.</li> </ol>		<p>REFERENCE DRAWINGS</p> <table border="1"> <tr> <th>DRAWING NO.</th> <th>REFERENCE</th> </tr> <tr> <td> </td> <td> </td> </tr> </table>		DRAWING NO.	REFERENCE																						
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