

A Partnership of
Osborn Lane Pty Ltd A.C.N 061 799 979
& Gremfield Pty Ltd A.C.N 073 121 258
A.B.N: 51 132 296 754

A QUALITY ASSURED SUPPLIER

**OSBORN
LANE**
CONSULTING
ENGINEERS

Ref: BR130102

19/04/2013



Structural Design Certificate

As a Chartered Professional Engineer, I hereby certify that I am responsible for the structural design of:-

**Car Shade
Centro Lennox
NSW**

This work is detailed on Osborn Lane Drawing Nos. BR13-0102/E01 to /E03.

This work is designed in accordance with the principles of structural mechanics, to carry the loadings specified in the Building Code of Australia. Australian Standards also relevant to this design are: AS/NZS 1170.0, AS/NZS 1170.1, AS/NZS 1170.3, AS 1170.4, AS4100, AS3600.

Wind design parameters adopted: Regional wind speed, $V_{500} = 45\text{m/s}$.

Design wind speed, $V_{des} = 37\text{m/s}$

Foundation design parameters based on firm natural ground (100kPa allowable bearing capacity).

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Chartered Professional Engineer. NPER No. 378046.

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36x6 CLAMP PLATE ALONG END RAFTER ONLY

Ø14 HOLE FOR 12G TEK SCREWS AT 150 SPACING

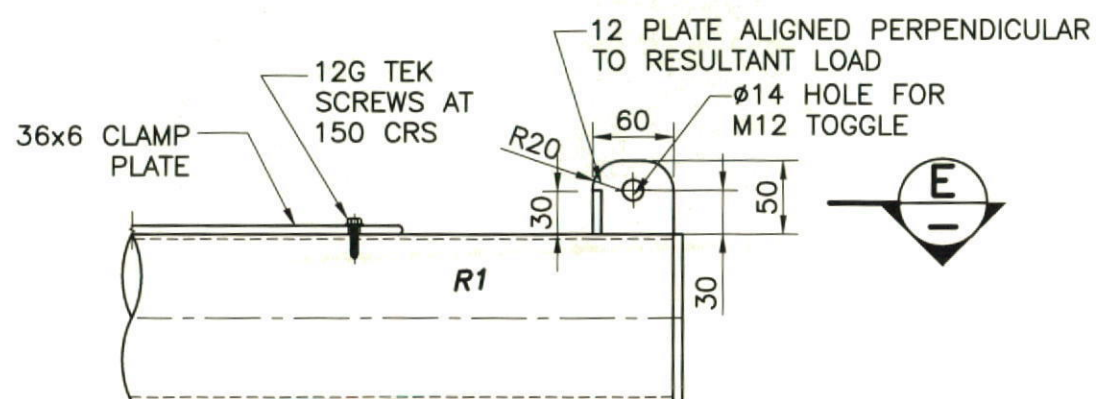
60x12 PLATE ALIGNED PERPENDICULAR TO RESULTANT LOAD

30x40x6 GUSSET

150 150

R1

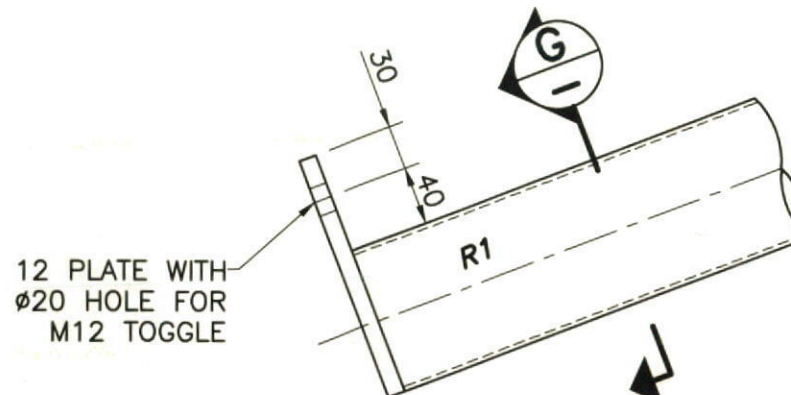
SECTION 
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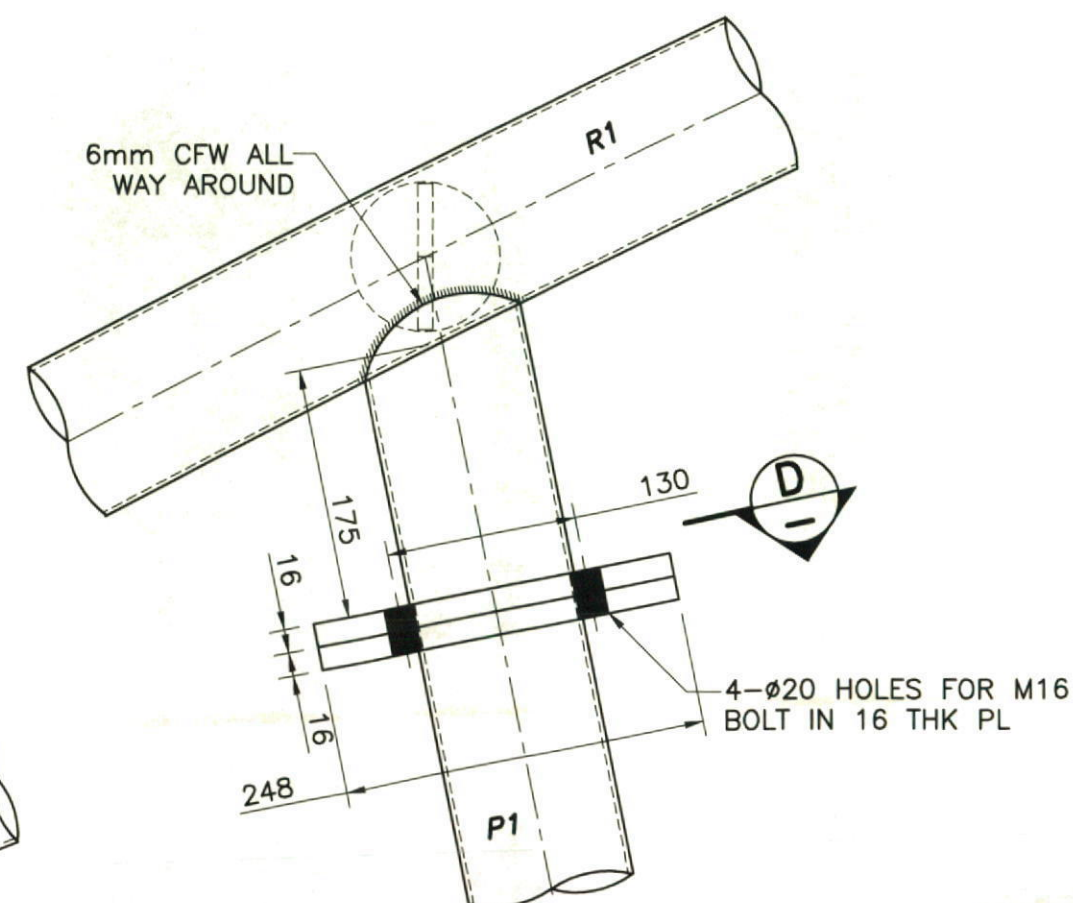
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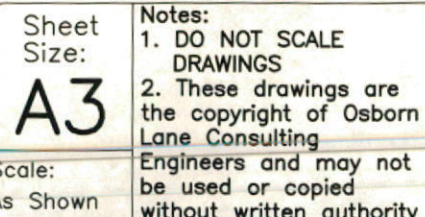
SECTION 
SCALE 1:5



DETAIL 1
SCALE 1:5



DETAIL 3
SCALE 1:10
E02



OSBORN

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**LENNOX CARPARK
SHADE STRUCTURE
CENTRO LENNOX
NSW, 2750
Greenline Shade
& Shelter Pty Ltd.**



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BR13-0102/E03