

STEELWORK:

 All steelwork shall be executed in accordance with the current edition of: AS 4100 - SAA Steel Structures Code

AS 4600 - SAA Cold Formed Steel Structures Code

AS 1554 - SAA Code for Welding in Building

- 2. The steelwork Sub-Contractor's shop drawings should to be submitted to the Engineer for approval prior to commencement of fabrication.
- 3. Unless otherwise noted the size of fillet welds shall to be 6mm.
- 4. Where noted on the drawings:

fw = fillet weld

cfw = continuous fillet weld

bw = butt weld

fpbw = full penetration butt weld

- Steelwork shall be thoroughly cleaned and coated with one coat of Zinc Phosphate paint (or treated as specified) before erection. Steelwork to be encased in concrete shall not be painted.
- 6. Where encased, steelwork shall be wrapped with 3.25 mm (10 gauge) black wire at 100 mm pitch with 50 mm cover.
- 7. Where noted on the drawings:

M12 = Commercial Bolts, Strength Grade 4.6, 'Snug Tight'
M16 HS = High Strength Structural Bolts, Strength Grade 8.8, 'Snug Tight'
M20 HSFG = High Strength Friction Grip Bolts, Strength Grade 8.8, either
Friction Type Joint (TF) or Bearing Type Joint (TB) as specified, both
types fully tensioned to the requirements of AS 1511.

20 = No. of mm in bolt diameter

All bolted connections shall include a washer of similar stress grade to the bolt and nut. Bolt threads shall not extend across the shear plane.

8. Where hollow sections of same external size, and with differing wall thickness are specified, the wall thickness shall be clearly marked on the section during fabrication for identification by the builder on site.

Stringers 100x50x3 RHS (UNO)	Number of Treads						
Stair Tread Type x Width	11	12	13	14	15	16	17
Timber Res x 900 W	1	1	1	1	1	1	5
Timber Res x 1200 W	1	1	1	1	1	5	5
Aluminium Res x 1200 W	1	1	1	1	1	4	5
Concrete Res x 900 W	4	1	1	1	4	X	X
Concrete Res x 1200 W	4	1	1	4	X	X	X
Timber Non-Res x 900 W	4	1	1	4	X	X	X
Timber Non-Res x 1200 W	4	1	4	5	X	X	X
Aluminium Non-Res x 1200 W	4	1	4	5	X	X	X
Concrete Non-Res x 900 W	1	1	4	X	X	X	X
Concrete Non-Res x 1200 W	1	4	5	X	X	X	X

- X Not suitable for clear span, use 100x50x3 RHS with support post at or about mid-span
- 4 100x50x4 RHS required for clear span or 100x50x3 RHS with post at or about mid-span
- 5 100x50x5 RHS required for clear span or 100x50x3 RHS with post at or about mid-span At or about mid-span means not more than 11 treads clear span

 All stringers shall consist on one continuous length, regardless of internal support

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R.P.E.Q. 1134

If in doubt ask - DO NOT SCALE!

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Designed:	R.N.
Drawn:	R.N.
Checked:	جهانن د و
Date:	1:20
Scales:	1:100

Standard Steel Stair Systems
for Scott Metals Pty Ltd
14 Wellington Road, Woolloongabba

Details

Sheet 1 of 1

Dwg. No.

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