



SCS Galvanised Steel 63mm profile



**Steel Frame
BATHROOM POD
MODULES**

SCS Steel Frame
Fully Automated Production of
POD Frame Component

0.75mm Galvanised Steel
63mm wide SCS Profile

SCS Key Advantages

- ◆ Total POD structure in a single profile
- ◆ Strength of 0.75mm profile & thin wall at 63mm
- ◆ Service Hole punched located by design
- ◆ All frame components produced automatically
- ◆ Simple assembly with riveted connections
- ◆ High accuracy of (+ - 0.5mm) per component

**From AutoCAD layouts
To
DXF 3D export file**

AutoCAD Design

The majority of Pod Manufacturer's design construct and market in AutoCAD software which the Scottsdale software imports & recognises. (ScotSteel can recognise any CAD software that produces a 3D DXF format)

The POD designer uses this same design to generate a layer with all openings, pod module frame dimensions & simply exports as a DXF into the Scottsdale ScotSteel software.

**DXF
3D file imported into
Scottsdale ScotSteel Software**

DXF File 3D Format

The POD designer imports the AutoCAD DXF file into the Scottsdale ScotSteel software which is represented here as a simple wire line drawing

This DXF file is all that ScotSteel requires to quickly generate a 3D structure ready for production

Therefore the AutoCAD Designer is using exactly the same dimensions and layouts as created in the original AutoCAD generated Bathroom POD drawings.

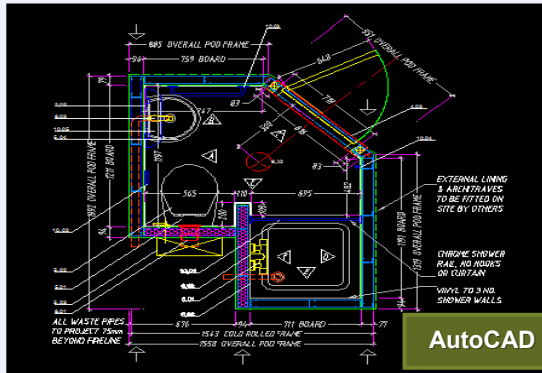
**POD Module Structure
Generated in 3D
Production Ready**

Scottsdale ScotSteel Software

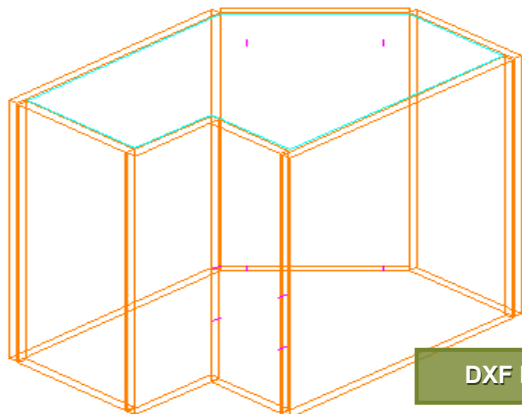
The Scottsdale ScotSteel software automatically generates all of the components, after forming the profile.

This includes Service Holes punched where required, Rivet Connection holes, Notched & Flattened frame components cut to precisely the required lengths ready for simple assembly by riveted connection and frame to frame connection with Tex Head Screws

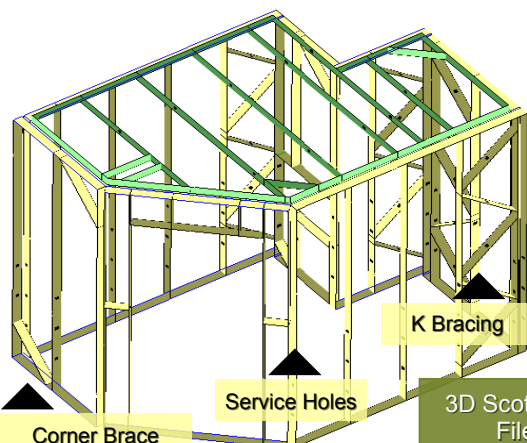
The production accuracy of each component within a tolerance of (- +) 0.5mm per 3metres



AutoCAD File



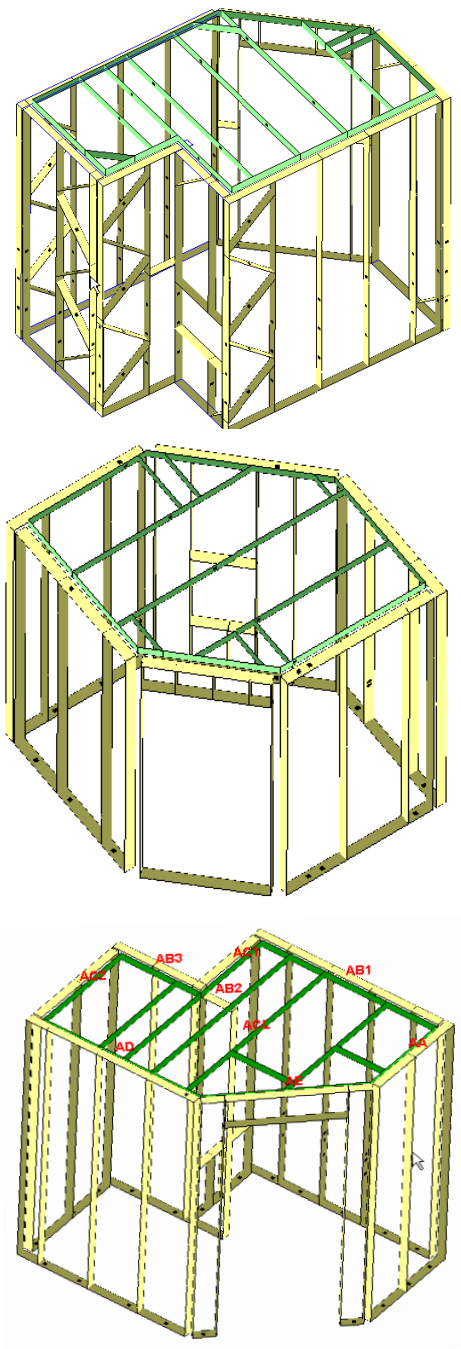
DXF File



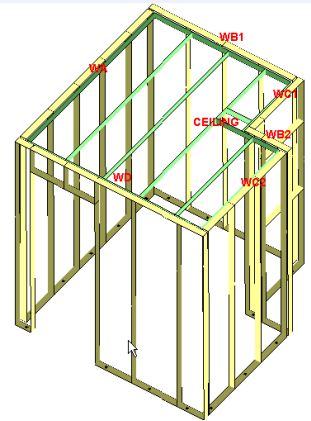
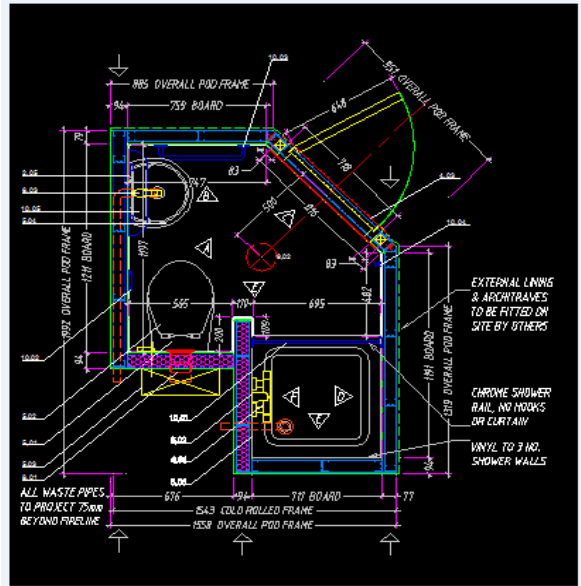
3D ScotSteel File



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BATHROOM POD COMPLEX STEEL FRAME STRUCTURES



Complex Structural Frames

Design Limitations
There is virtually no limit to the complexity of a POD steel structure as all connections and lengths of the components are dependent only by the practicality of assembly/build.

POD frame error checking
All POD frames from wall panels to ceiling panels are designed in Scottsdale ScoSteel Software with the ability to zoom into every connection & joint to examine the actual frame component production tolerances & connections thereby pre-determining any design errors prior to production.

Integration with AutoCAD
Then the ScotSteel design file can be re-exported to the AutoCAD layouts and layered by the POD Designer for dimensional checking against the original design.

Production Simulation
When finally approved, the POD design is exported into the production INT file that the Automated Roll Former will read to manufacture the components. This INT file can be run in a simulation mode by the POD designer's computer screen to check if the file will manufacture



Phone: +64 6 843 6276, Fax: +64 6 843 6283
17 Cadbury Street, Napier 4110, New Zealand
email: sales@scottsdalesteelframes.com
www.scottsdalesteelframes.com