<u>Exact Mesh – A Steel Mesh Estimating, Scheduling and Costing Program</u> <u>Overview of Top Mesh Placement</u>



Import a Drawing

- Import an AutoCAD Drawing as a DXF or DWG
- OR
- A scanned image from a PDF, JPG or BMP



Figure 2 Imported Scanned Image Example



Figure 3 Imported AutoCAD Drawing

The remainder of this Overview will be based on the imported AutoCAD drawing in Figure 3.

Top Mesh should cover 0.33L each side of the center beam (though this default can be changed). The area of top mesh is defined by the user clicking on the adjacent beams as in Figure 3 below.



Figure 4 Define The adjacent Beams on Imported AutoCAD Drawing Shown in Figure 3 above



Figure 5 Amend (if required) the offset calculation which is by default 0.33L from the face of the center beam



Figure 6 Two Red Dotted Construction Lines are drawn at the correct offset from the center beam



Figure 7 Define the area to be meshed

Mesh Layout		
Zone Description LT0? Advanced Placement >> Location Top Mesh Fabric BRC,A6,6x6,200x20(Min. Wire Overhang 125 mm Turn Up/Down Turn Up Turn Up Turn Down	Rotate Mesh
Min. Wire Overhang 75 mm Turn Up/Down Turn Up 0 mm Turn Down Overhang Help >>		Min. Wire Overhang 75 vmm Turn Up/Down Turn Up 0 vmm Turn Down
	Min. Wire Overhang 125 mm Turn Up/Down Turn Up 100 mm Turn Down	Lap Mesh Length 6000 • mm 250 • mm Mesh Width 3000 • mm 250 • mm
	Reference Edge	[2000
Cancel		ОК

Figure 8 Define the Mesh including Wire Overhangs and Turn Down Into the beam

Note Mesh Can Be/Have:

- Rotated
- Wire Overhangs amended
- Turn Up or Turn Downs added
- Lengths/Widths adjusted
- Laps adjusted



Figure 9 Program Draws and Labels Mesh



Figure 10 – Top Mesh Completed

Exact Mesh - C:\MeshV131Web\Data\Test	op03	
<u>File Edit View Tools H</u> elp		
		Page 1 of 2 + +1
CADMana	Project Date: 9 June 2015 Project Code: Project Tite: Project Location:	
Project Information -> Name, Address	Main Wire Cross Wire	
Miscellaneous Items	tem Loc. Length Dia Overhang Num LW Spacing Width Dia Overhang Num CW Spacing Qty Bending No. Ref. (mm) (mm) (mm) (mm) (mm) (mm) (mm) (mm	j Area Weight Price (sqm.) (kg) (RM)
Discount/Markup	1 LT01 3700 6 150 14 200 2 2850 6 100 150 18 200 2 C1 D100 2 LT02 3700 6 150 14 200 2 850 6 125 18 200 3 3 LT05 4600 6 100 6 200 1300 6 200 1 L1C1 D101 4 LT05 4600 5 100 1300 6 200 1 L1C1 D101	21.09 46.82 \$822. 31.63 70.23 \$1,233. 5.98 13.28 \$233. 5.98 13.28 \$233.
Notes On Summary	5 LT07 4600 6 300 100 6 200 1300 6 200 10 22 200 1 L1C1 D101 6 LT08 4450 6 125 14 200 2850 6 100 150 22 200 4 C1 D100 7 LT09 4450 6 125 125 14 200 2850 6 125 125 2 200 6	0 5.98 13.28 \$233. 50.73 112.52 \$1,978. 76.09 168.93 \$2,967.
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printing	11 LT13 3100 6 100 200 12 200 2450 6 125 125 15 200 2 L1 D100 12 LT14 3100 6 100 200 12 200 2450 6 150 100 15 200 1 L1C1 D100	15.19 33.72 \$592. 0 7.59 16.86 \$295 =
Cover Letter	13 LT15 3600 6 100 100 11 200 3000 6 00 100 100 100 100 100 100 100 100	0 10.80 23.98 \$421. 0 3.93 8.73 \$153.
Terms And Conditions	TELT/ 650 6 150 100 3 200 650 6 150 130 30 201 1 L1C 100 16 LT16 5200 6 100 300 3 200 650 6 150 100 25 200 1 L1C1 D10 17 LT19 5200 6 100 100 3 200 650 6 150 100 25 200 1 C1 D100	J 3.93 8.73 \$153. D 3.38 7.50 \$131. 3.38 7.50 \$131.
Labour Quote - Floor Locality 1 Labour Quote - Floor Locality 2	18 LT20 5200 6 300 100 3 200 650 6 150 100 25 200 1 L1 C1 D100 19 LT21 2950 6 175 112 200 1 L2 D100 1 L2 D100<	3.38 7.50 \$131. 6.64 14.74 \$258.
□ Distributor Quote □ Completion Certificate - 1 □ Completion Certificate - 2	21 LT2 3700 6 150 150 14 200 2950 6 175 175 175 12 200 3 C2 D100 22 LT24 3400 6 100 100 13 200 2650 6 125 125 17 200 3 Labour	32.74 72.69 \$1,277. 27.03 60.01 \$1,054. \$1,281.
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Figure 16 – Export to Enterprise Management Systems and CNC

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