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LISP Program for Jib Crane

This is a LISP based program for Drawing of Jib Crane, with user friendly dialog boxes, which is an add-on for any CAD program for developing GA drawing as well as component wise drawings with Bill of Material and weights of all components for Top and Bottom Jib Crane. The program asks for all parameters and then automatically draws separate drawings for each component giving Bill of materials for that component as well as weight of each sub-component and also total weight. LISP Program for Jib Crane then draws GA Drawing with total weight of Jib Crane. The Package gives all minor details at Quotation Stage itself and this helps to quote in most competitive manner. LISP Program for Jib Crane can draw a Jib Crane up to a span of 6 meters, lift of 4 meters, and lifting load of 3 tons.

Jib Crane package Bought so far by 14 parties

Three Structural members, such as Beams, Channels and Angles as well as Plates and Pipe are used to fabricate a jib crane. You can select American, British or Indian standard for sizes of these Structural members. The sizes of Structural members as per the standard are then shown in dialog boxes. You can even change these values. If you are choosing standard of your country, you can fill in sizes of structural members as per standards of your country.

If you select American Standard all values in dialog boxes will be shown in foot-inches and all drawings will be created in foot-inch dimensions. If you select British or Indian Standard all values in dialog boxes will be shown in metric system and all drawings will be created in millimeter dimensions.

I have prepared a Trial Program which shows 4 cases for the Top and Bottom beams. Ask us for free Demo. To run the demo copy jib_demo.zip file in acad support directory (or any other directory defined in CAD path settings) and unzip it. If you copy them to some other folder, in CAD, click on tools ->Options (or Preferences) -> Files -> + of Support File Search Path -> Add -> Browse -> Select the folder. All files from zip file should be in this folder. LISP Program for Jib Crane contains jib.lsp, jib.del program files and A1, A2, A3, A4 prototype drawings. Load jib.lsp by typing at command prompt (load "jib.lsp") and press <enter>. At command prompt type jib and press <enter> and program will start. This is a full program which runs for 4 options.

Programs asks for parameters in the following dialog boxes, and based on these values, LISP Program for Jib Crane draws the drawings.

Jib Crane Drawing

Jib Crane Drawing Program by
SATISH LELE
satish.lele@gmail.com
http://www.svlpipe.com/jib.htm

Standard for Structural

United States
 Indian
 British

OK

Design of JIB CRANE

Jib Crane Drawing Program by
SATISH LELE
satish.lele@gmail.com
http://www.svlpipe.com/jib.htm

Please enter Standards for Structural, Plates, Pipes :

Structural Standard :
Pipe Standard :
Plate Standard :

OK

You can not change values in edit boxes in Trial Version

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Demo Number

Demo 1
 Demo 2
 Demo 3
 Demo 4

OK

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Standard for Structural

United States
 Indian
 British

OK

Jib Crane Drawing

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Type of Jib

Top Jib
 Bottom Jib

OK

Design of JIB CRANE

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http://www.svlpipe.com/jib.htm

Please enter Drawing data:

Clients Name :
Designed by:
Drawn by:
Checked by:
Appd by:
Date:
Drawing No.:

OK

You can not change values in edit boxes in Trial Version

Choose Pillar Type

Jib Crane Drawing Program by
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satish.lele@gmail.com
http://www.svlpipe.com/jib.htm

Pipe
 Fabricated

OK

Crane data Bottom Jib :

Jib Crane Drawing Program by
SATISH LELE
satish.lele@gmail.com
<http://www.svlpipe.com/jib.htm>

Crane radius :	<input type="text" value="3000"/>
Lift Height :	<input type="text" value="2700"/>
Hoist Capacity :	<input type="text" value="250 Kg"/>
Bearing CL Distance :	<input type="text" value="800"/>
Pivot CL Distance :	<input type="text" value="100"/>
Thk Pivot Stiffner :	<input type="text" value="8"/>
Type of Jib :	<input type="text" value="BOT"/>

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edit boxes in Trial Version

Bearing data:

Jib Crane Drawing Program by
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<http://www.svlpipe.com/jib.htm>

Top Bearing	Bot Bearing
Bearing Number : <input type="text" value="6307ZZ"/>	Bearing Number : <input type="text" value="30205"/>
Bearing Make : <input type="text" value="SKF"/>	Bearing Make : <input type="text" value="SKF"/>
Bearing ID : <input type="text" value="35"/>	Bearing ID : <input type="text" value="25"/>
Bearing OD : <input type="text" value="80"/>	Bearing OD : <input type="text" value="52"/>
Bearing Thk : <input type="text" value="27"/>	Bearing Thk : <input type="text" value="22"/>
Bearing Wt : <input type="text" value="0.46"/>	Bearing Wt : <input type="text" value="0.15"/>
	Outer Race Width : <input type="text" value="13"/>

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Suggested Pillar Base Plate

- Base Plate Size 500 x 500
- Base Plate Size 600 x 600
- Base Plate Size 750 x 750
- Base Plate Size 900 x 900
- Base Plate Size 1150 x 1150
- Base Plate Size 1400 x 1400

OK

Please enter Baseplate data:

Jib Crane Drawing Program by
SATISH LELE
satish.lele@gmail.com
<http://www.svlpipe.com/jib.htm>

Length of Base Plate :

600

Distance Between End Bolts :

510

Thikness of Top Plate :

10

Thickness of Base Plate :

12

Bolt Hole Diameter :

27

Number of Bolts :

8

Size of Pillar at Base :

400

Size of Pillar at Top :

250

Pillar Plate Thk :

5

OK

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Suggested Pivot Bracket Plate

- Bracket Plate Size 360 x 360
- Bracket Plate Size 410 x 410
- Bracket Plate Size 460 x 460
- Bracket Plate Size 550 x 550
- Bracket Plate Size 650 x 650
- Bracket Plate Size 800 x 800

OK

Please enter Bracket plate data:

Jib Crane Drawing Program by
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<http://www.svlpipe.com/jib.htm>

Thickness of Bracket Plate :	10
Thickness of Ribs :	8
Bracket Plate Thickness :	10
Number of Holes :	4
Diameter of Holes :	22
Length of Plate :	410
Width of Plate :	200
Horizontal Distance between Bolts :	330
Spacing between Holes :	120
Bolt Size :	20
Number of Horizontal Ribs :	2
Distance of Top Bearing from Top :	160
Distance of Bottom Bearing from Bottom :	40

OK

You can not change values in edit boxes in Trial Version

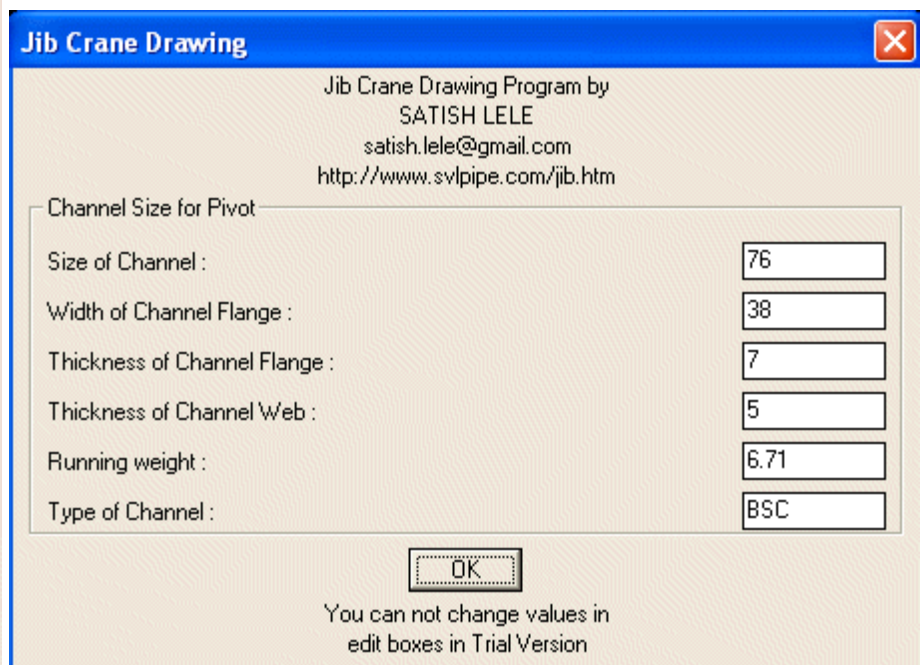
Hoist data:

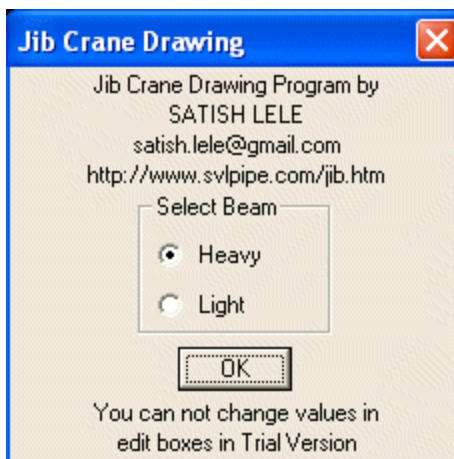
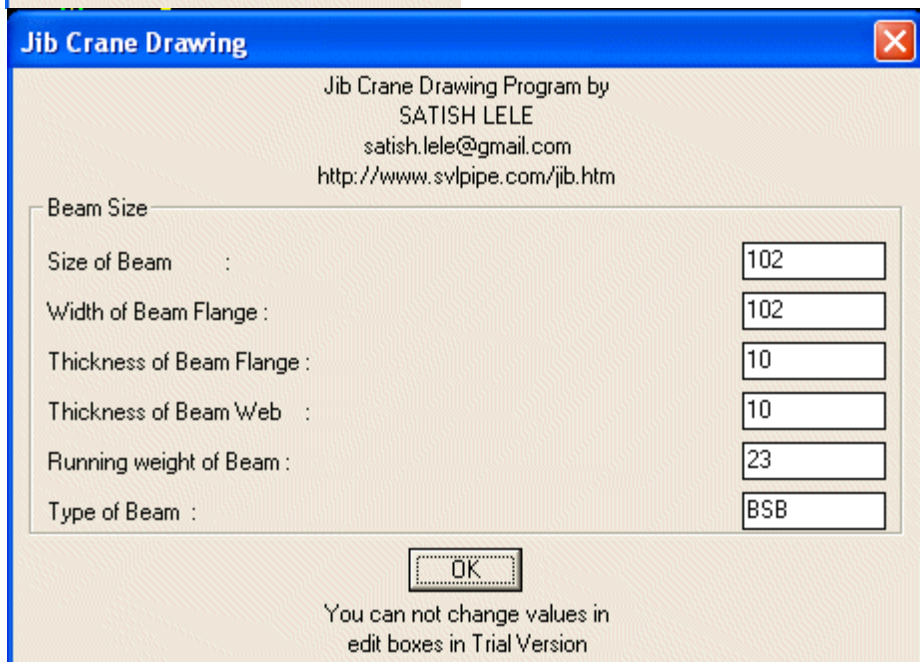
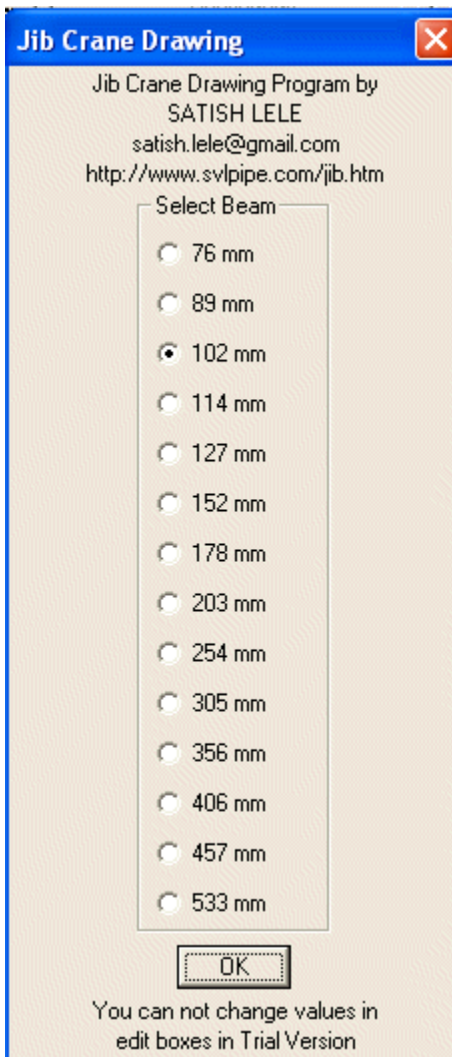
Jib Crane Drawing Program by
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Lifting Equipment Type :	500 Kg
Lifting Equipment Model :	CPB500
Weight of Hoist :	47.00
Head Room :	450
End Approach :	125

OK

You can not change values in edit boxes in Trial Version





Please enter Angle data:

Jib Crane Drawing Program by
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http://www.svlpipe.com/jib.htm

Size of Topchord Angle :	<input type="text" value="40"/>
Thickness of Topchord Angle :	<input type="text" value="4"/>
Running weight :	<input type="text" value="2.42"/>
Type of Angle :	<input type="text" value="BSA"/>

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Please enter Angle data:

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http://www.svlpipe.com/jib.htm

Size of Vertical Angle :	<input type="text" value="40"/>
Thickness of Vertical Angle :	<input type="text" value="4"/>
Running weight :	<input type="text" value="2.42"/>
Type of Angle :	<input type="text" value="BSA"/>

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Choose Type of Hoist

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Chain Pulley Block:
 Electric Gear :

Hoist data:

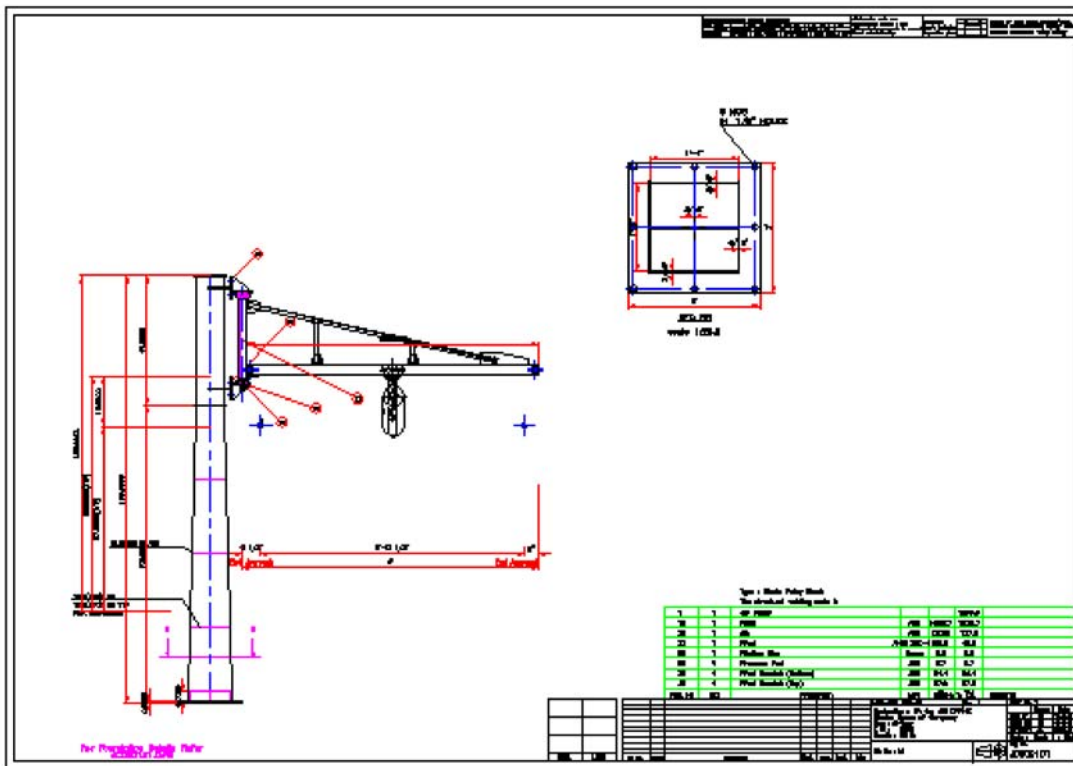
Jib Crane Drawing Program by
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http://www.svlpipe.com/jib.htm

Hoist Speed :	<input type="text" value="5"/>
Travel Speed :	<input type="text" value="5"/>

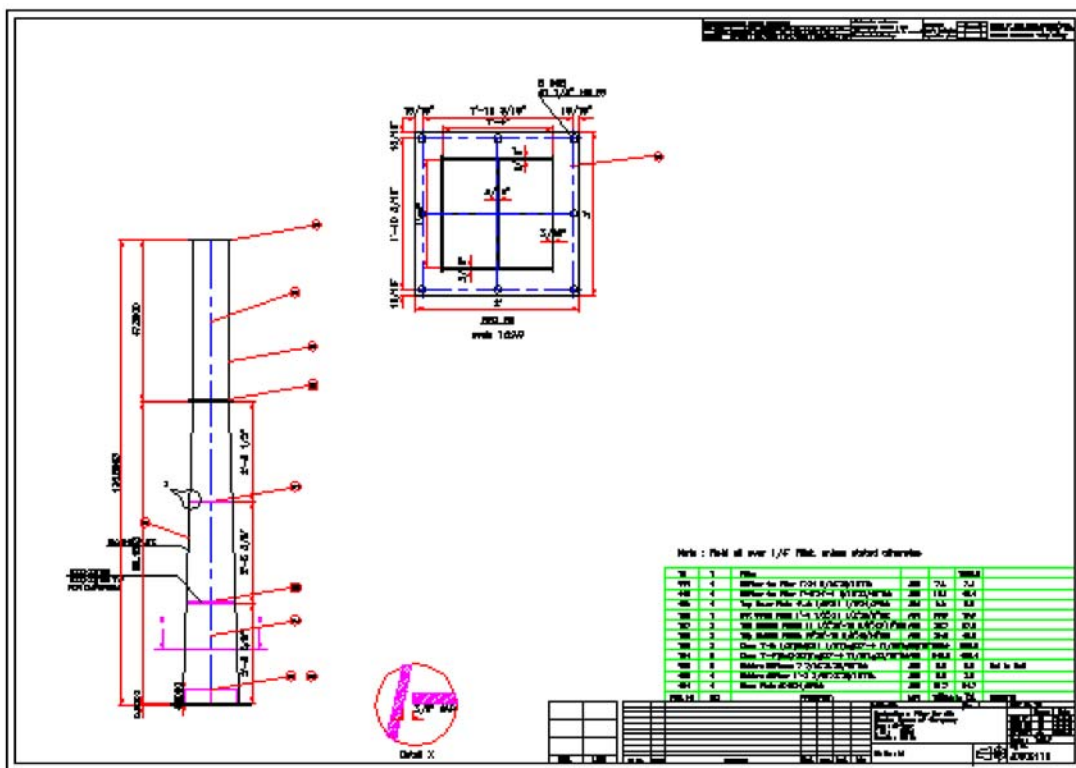
Brake Provided

You can not change values in Trial Version

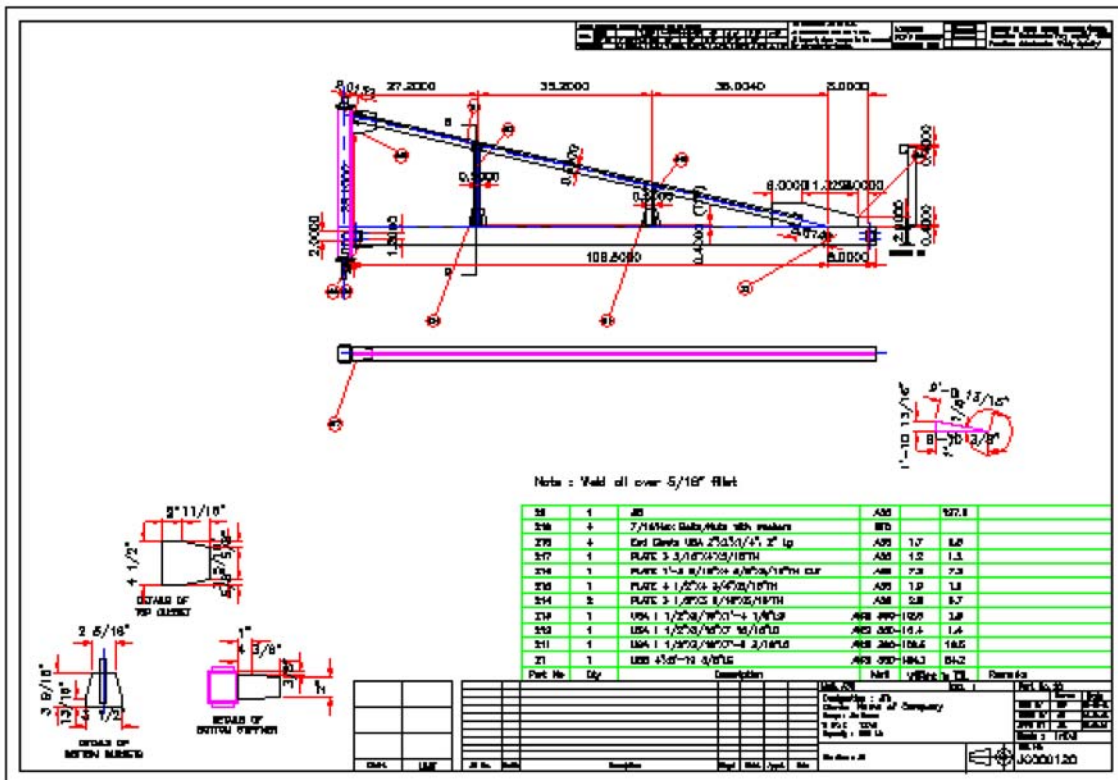
Drawings developed by my program are as follows :



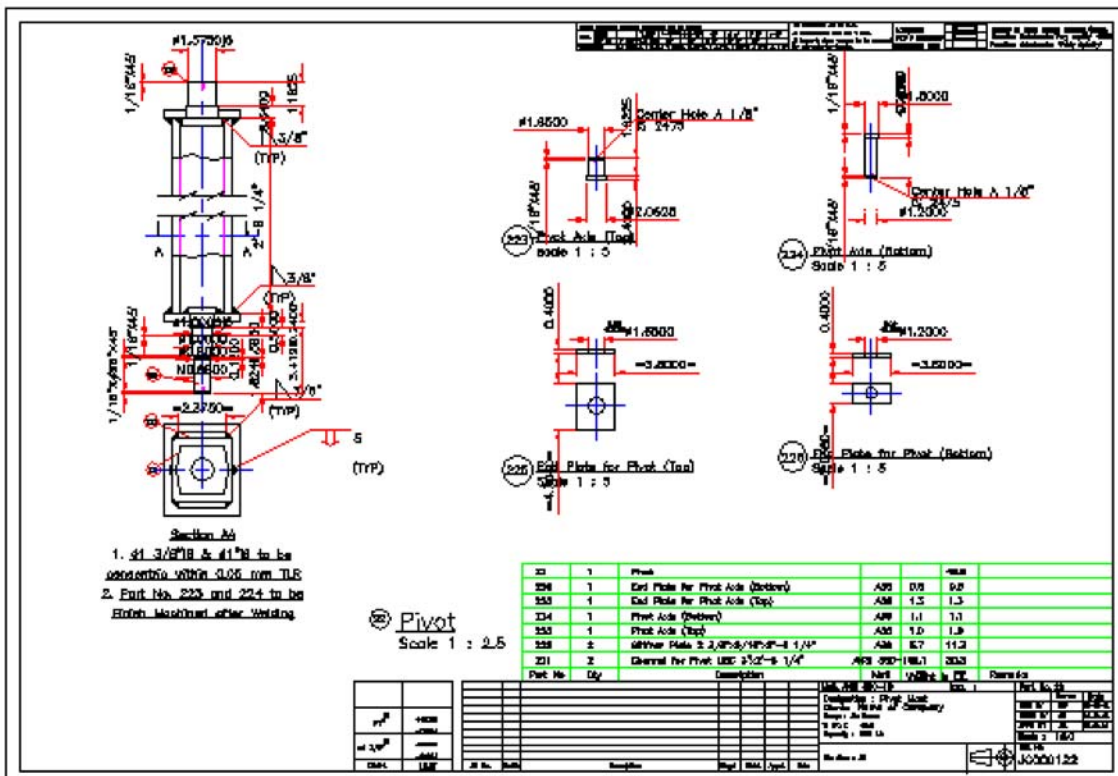
A Complete GA Drawing of Jib crane.



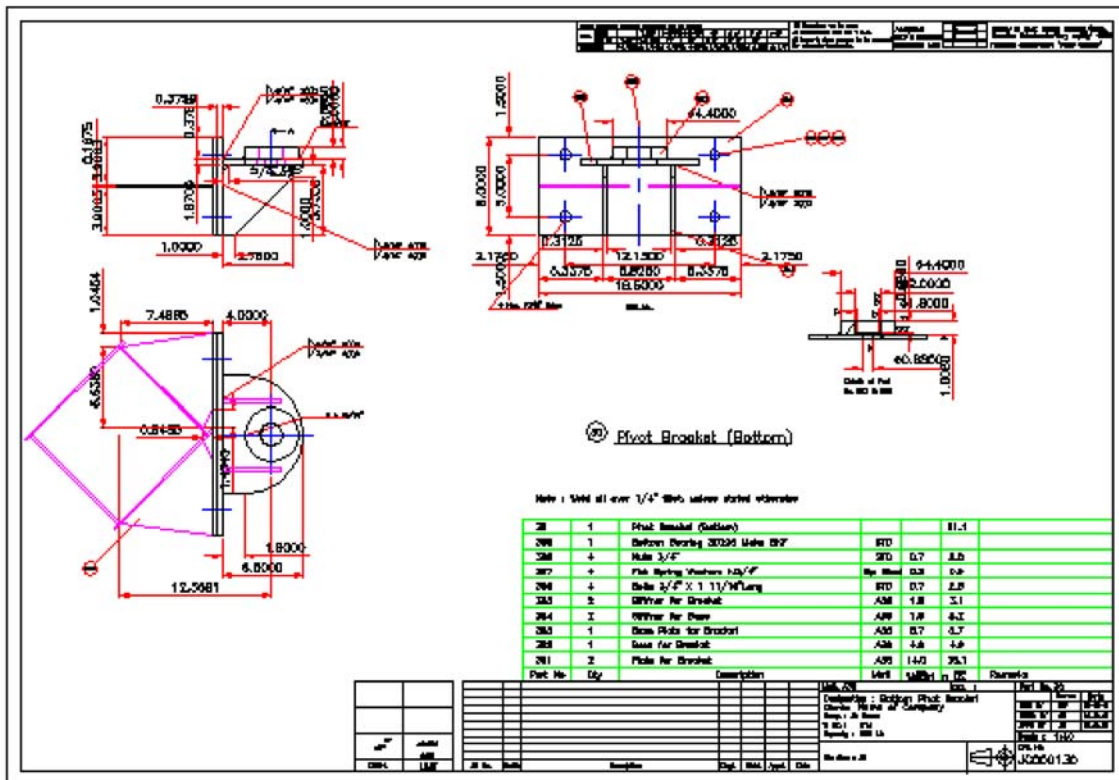
A Drawing of a Fabricated Pillar.



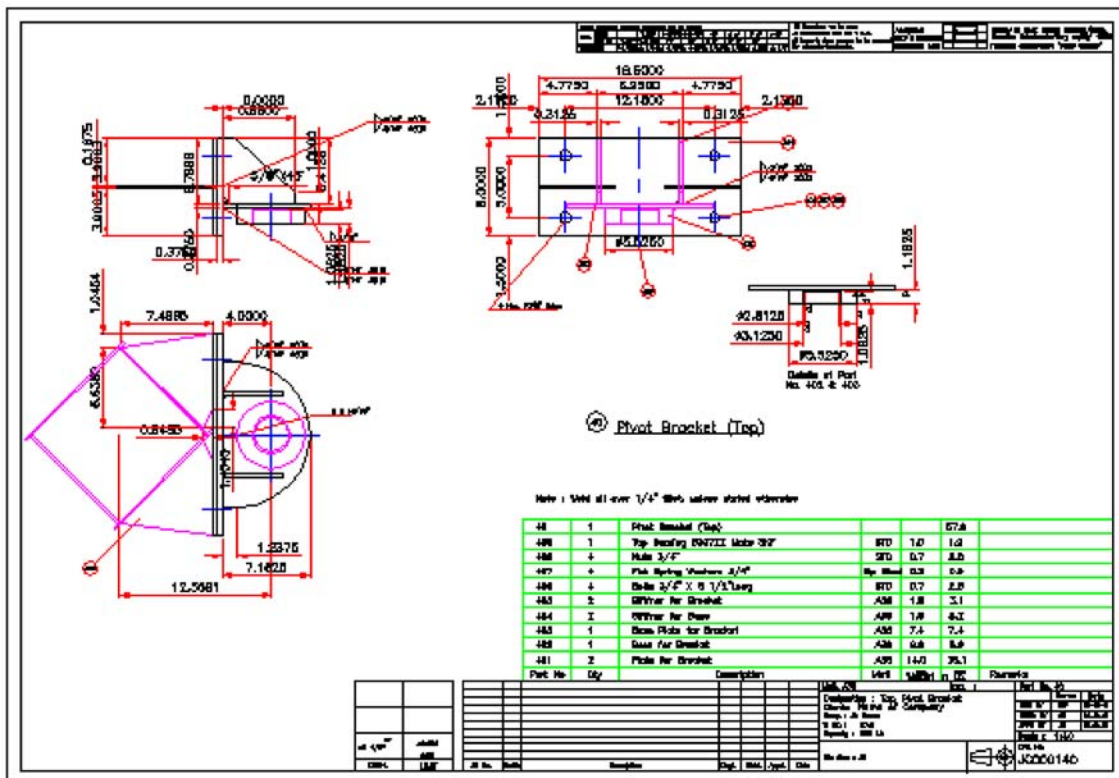
A Drawing of Jib Frame.



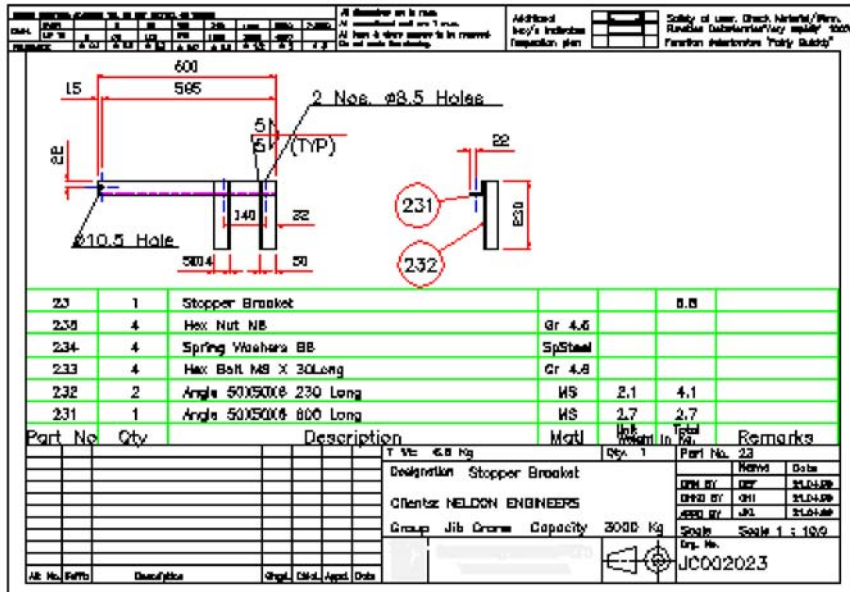
A Drawing of Pivot.



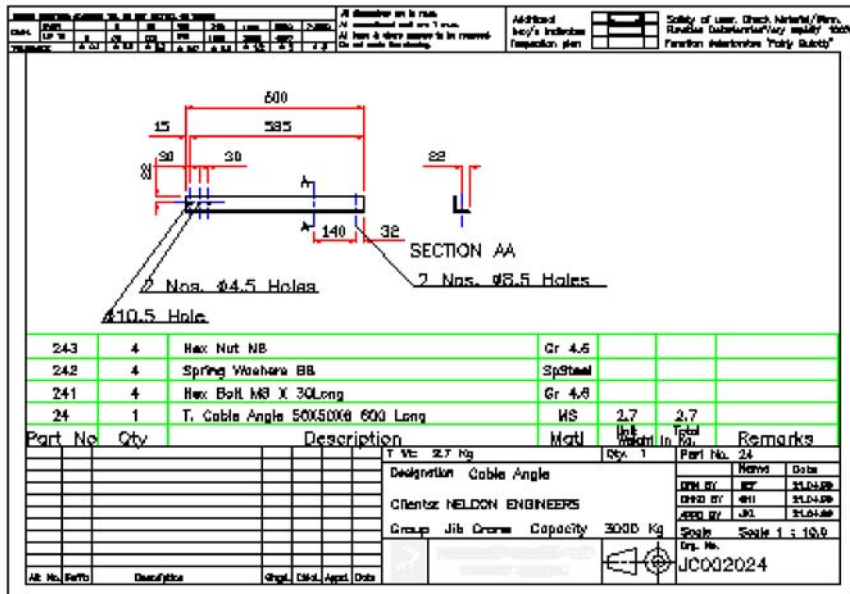
A Drawing of Bottom Bracket.



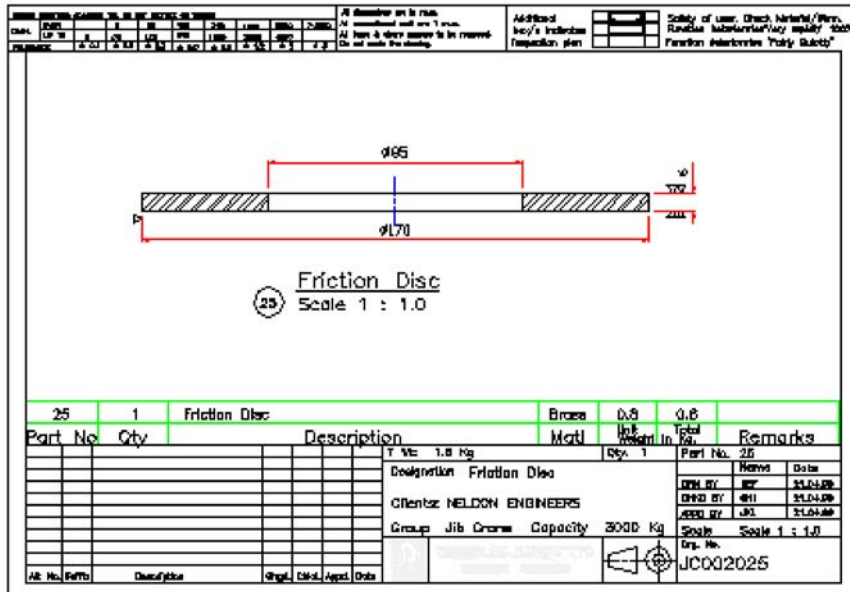
A Drawing of Top Bracket.



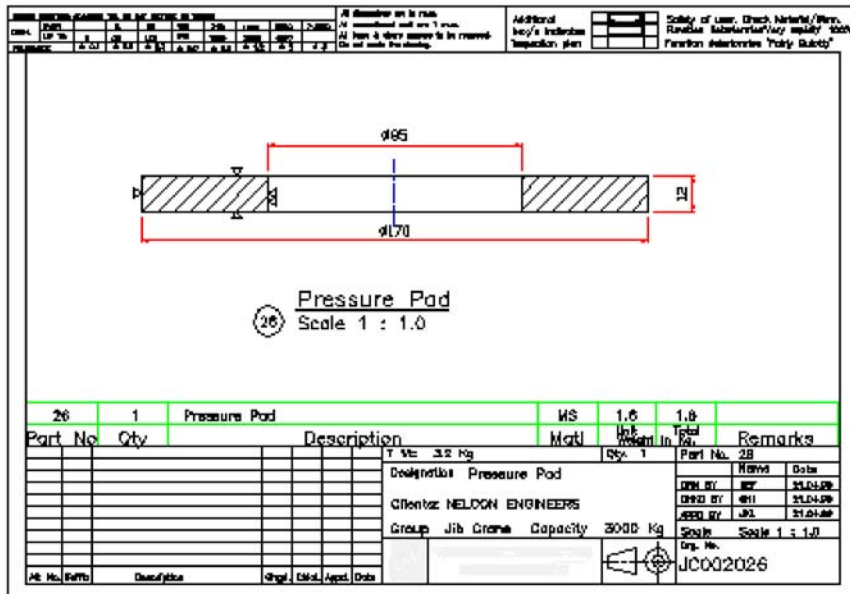
A Drawing of Stopper Bracket.



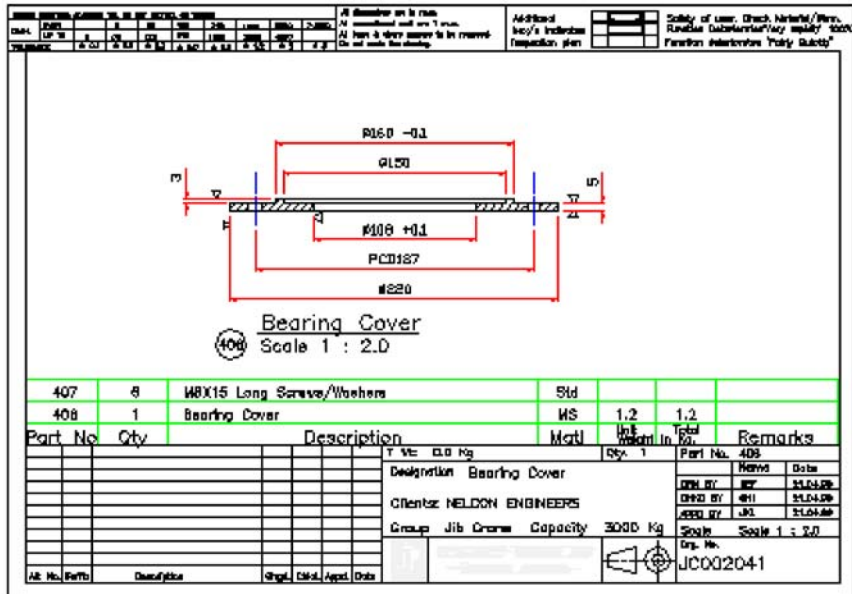
A Drawing of Cable Angle.



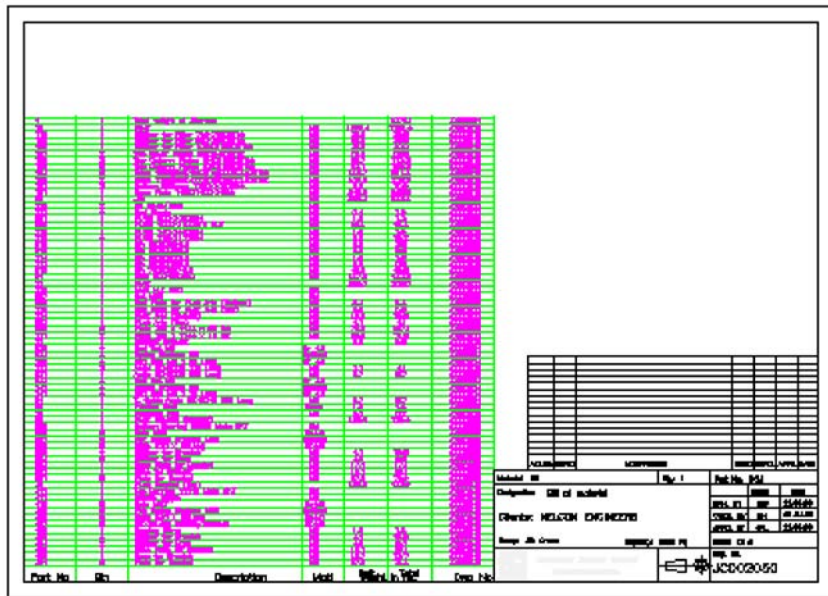
A Drawing of Friction Disc.



A Drawing of Pressure Pad.



A Drawing of Bearing Cover.



A Drawing of Bill of Materials.

SEND E-MAIL

[to Request for Trial Program.](#)

Buying Instructions : You can send the payment through Credit Card or by eCheque by **PayPal** or **Bank Transfer**. As soon as I get the money, I will send LISP Program for Jib Crane by Email. To Buy **Just Click** for details.

Just Click for Top Jib in Foot-Inch System.

Just Click for Top Jib in Metric System.

Just Click for Bottom Jib in Foot-Inch System.