Using the Systems Library

Standard Engineering Practices

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Date 7-9-02
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The Invensys DS2000 Systems Library

The purpose of the Designer Suite Systems library is to share standard drawings thus reducing repetition of effort. The library is divided into two sections: the **Reviewed Systems** and the **Un-reviewed Systems.**

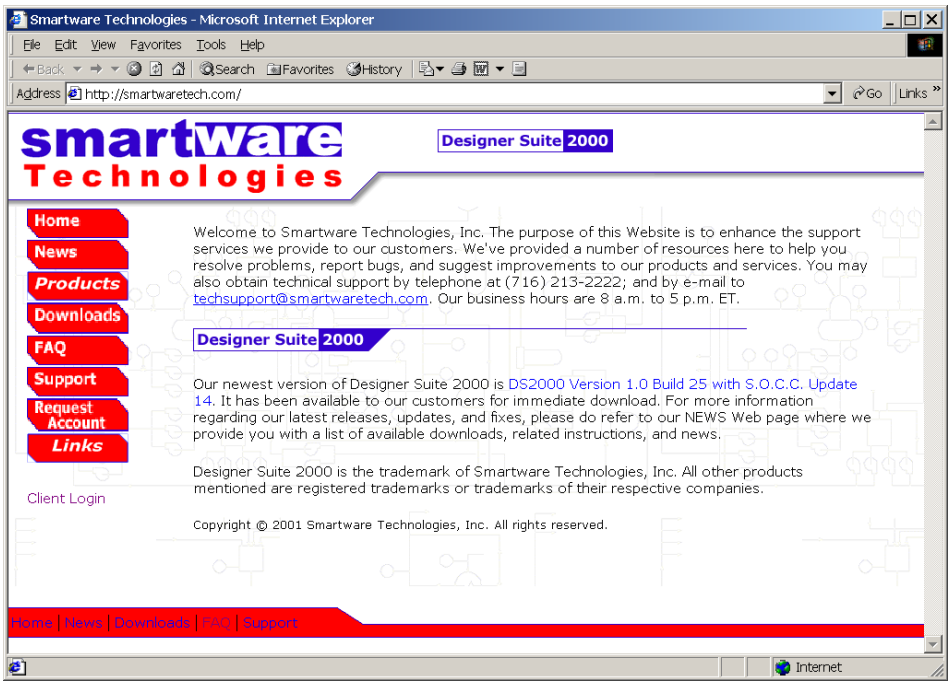
The Reviewed Systems area will be populated with hardware drawings, controller software and graphics that have been reviewed for accuracy and conformance with the **Invensys Standard Engineering Practices.** This will be a review process, not a certification process. If an error is found in an application in the Reviewed Systems area please send an e-mail with the attached drawing explaining the mistake to Tim.Geiger @ Invensys.com. The necessary changes will be made and a revision date will be added to the Title Block.

The Unreviewed Systems area will be populated with any drawing that someone wishes to share that has not gone through our review process for standardization or accuracy. It will be our objective to get all drawings posted to the Unreviewed area as soon as possible. If you have uploaded a drawing that you feel is a good candidate for the Reviewed area please send an e-mail to Tim Geiger so the drawing can be reviewed.

Caution should followed when using Systems from the UnReviewed Area. Drawings may not follow standard naming conventions, may not use tested Designer Suite Smart Shapes and components, as well as many other concerns. Always search for a system in the Reviewed Area first in order to maintain consistency within your project and future projects.

The following is a description of how to download and upload drawings to the library:

Log into smartwaretech.com



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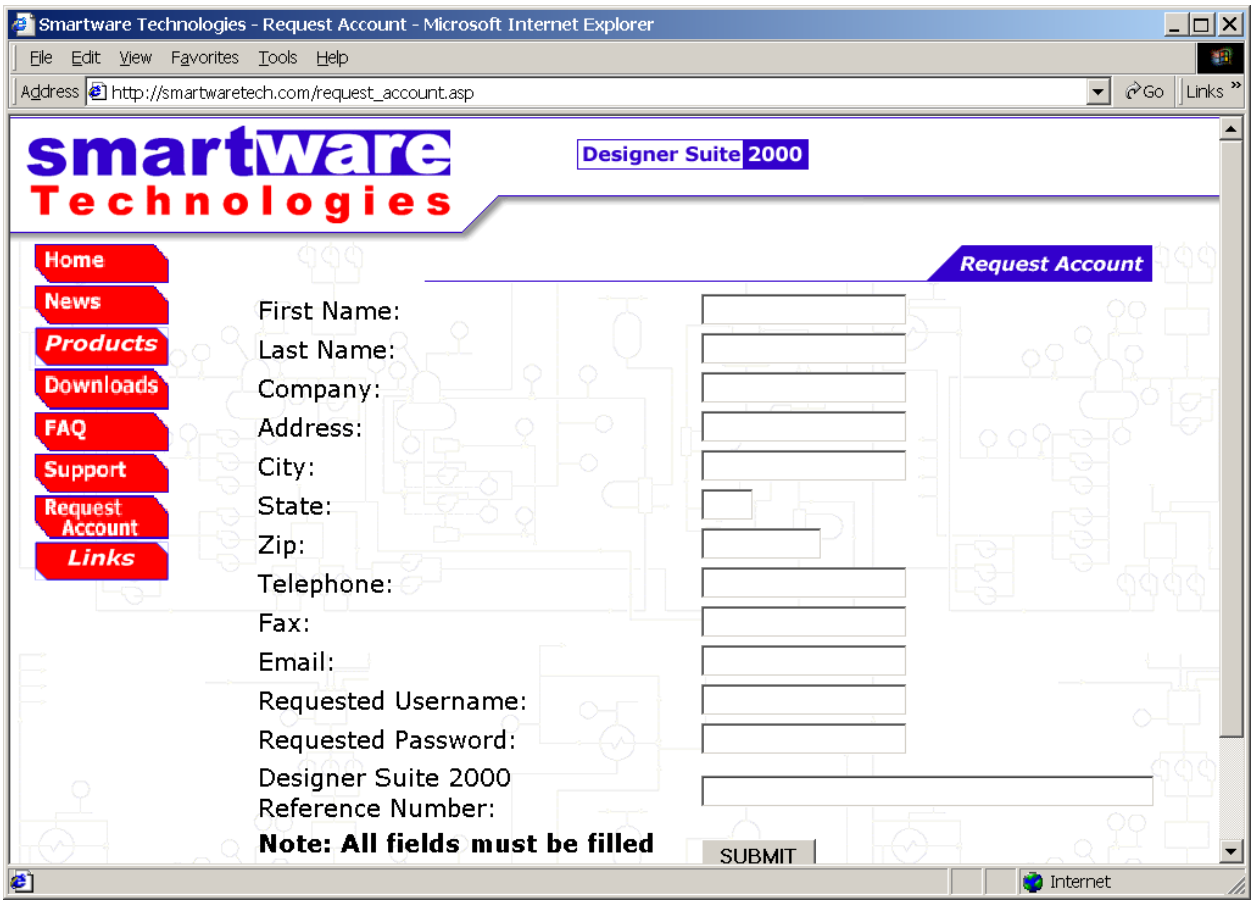
If you are a new user to the Website, and have obtained your DS2000 License Key from Smartware, you must first request an account before gaining access to the library. Select ***Request Account***



Enter the necessary information including your 24 digit Reference Number (this can be found by launching your Project Explorer then selecting ***File, Update License***.

Within 24 hours you should be able to log on as a user. If you experience problems, contact techsupport@smartwaretech.com by e-mail, or call 716-213-2222.

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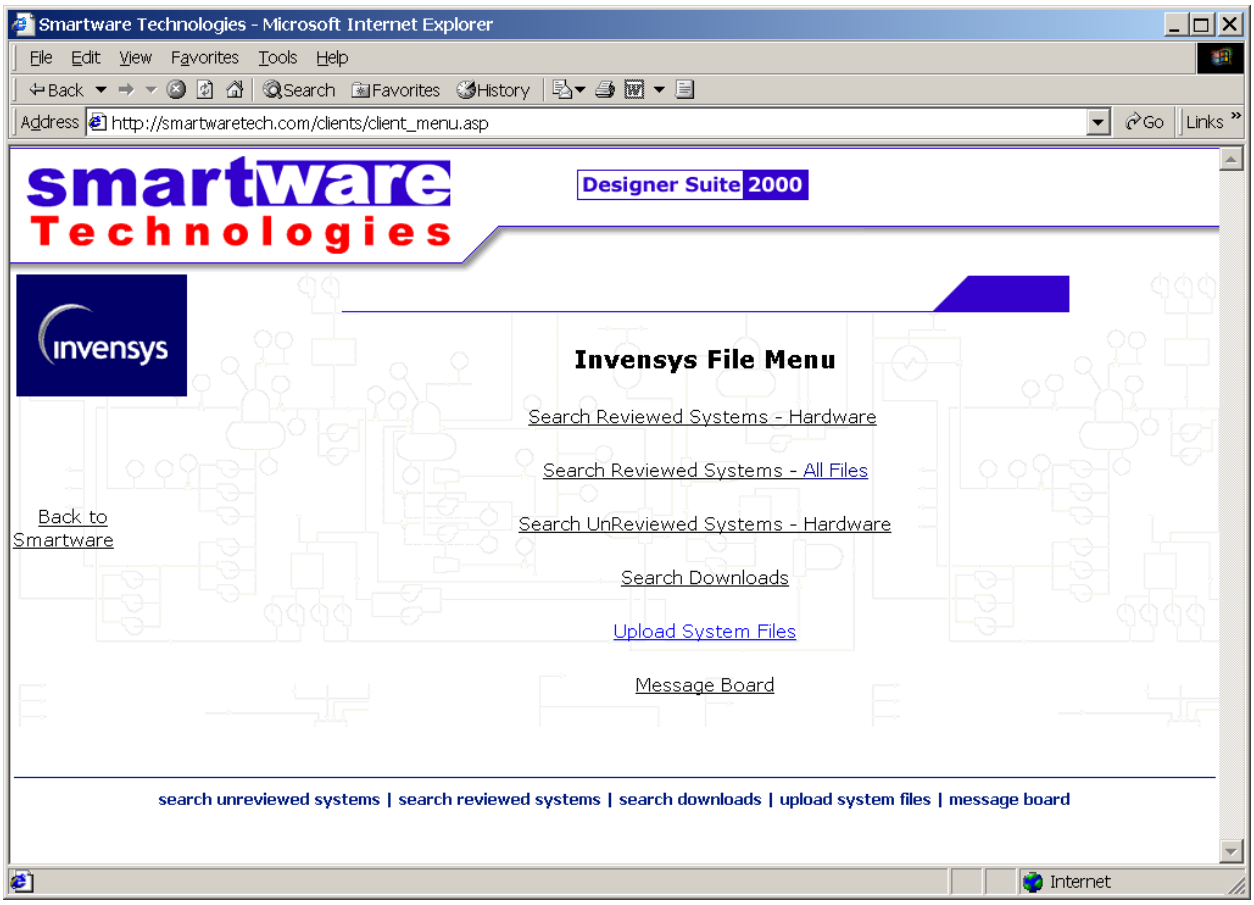
Downloading a System from the Library

Once a web access account has been setup, you can login by selecting ***Client Login*** then entering your user name and password.

To search for an existing system you should first look in the Reviewed area to see if one is available. Select ***Search Reviewed Systems – Hardware***



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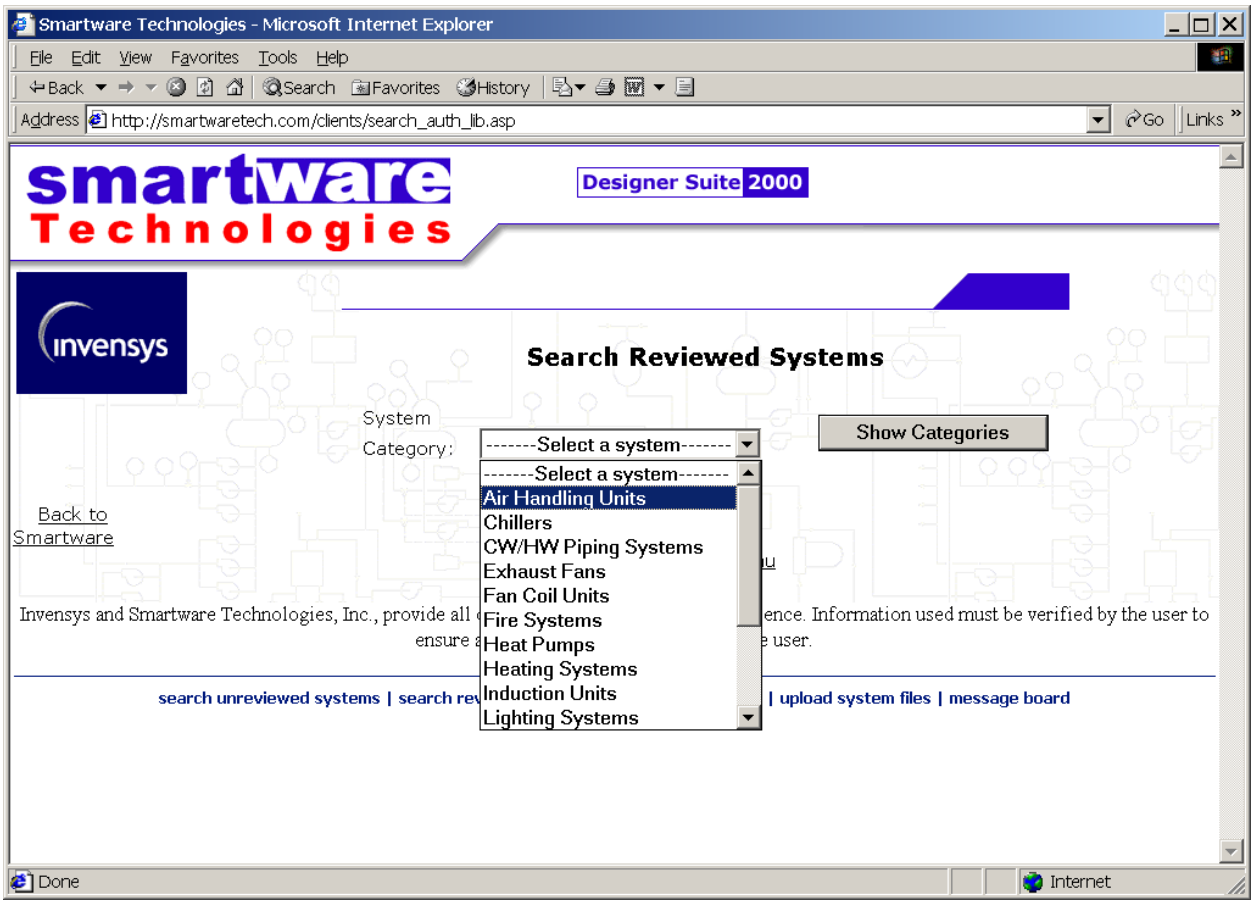
Select the System you are searching for,



followed by the ***Show Categories***.

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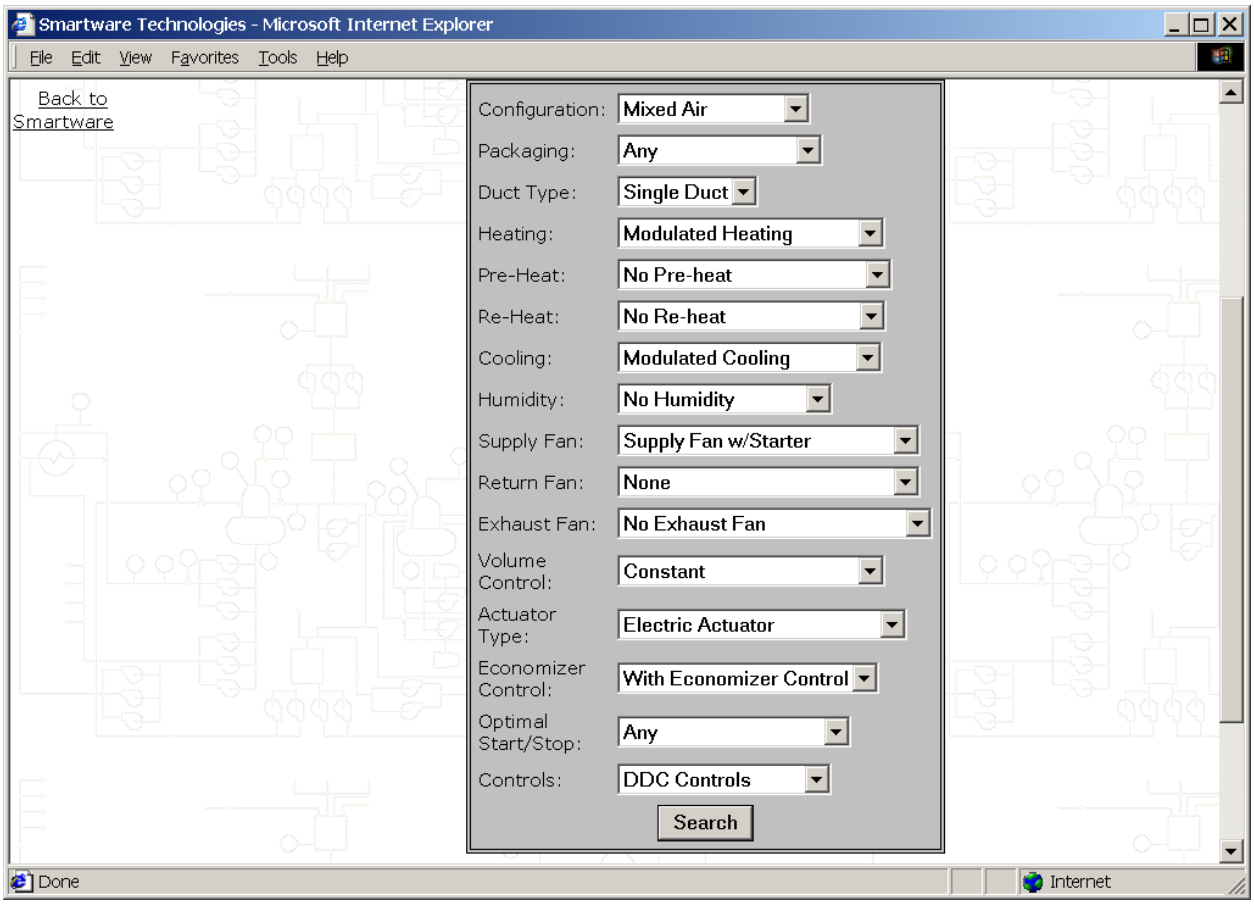
Select the configuration for the system you desire.



Then select ***Search*** to look for available drawings.

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To view a drawing simply left click on one of the Search Results. The drawing will be opened by launching Visio on your work station.

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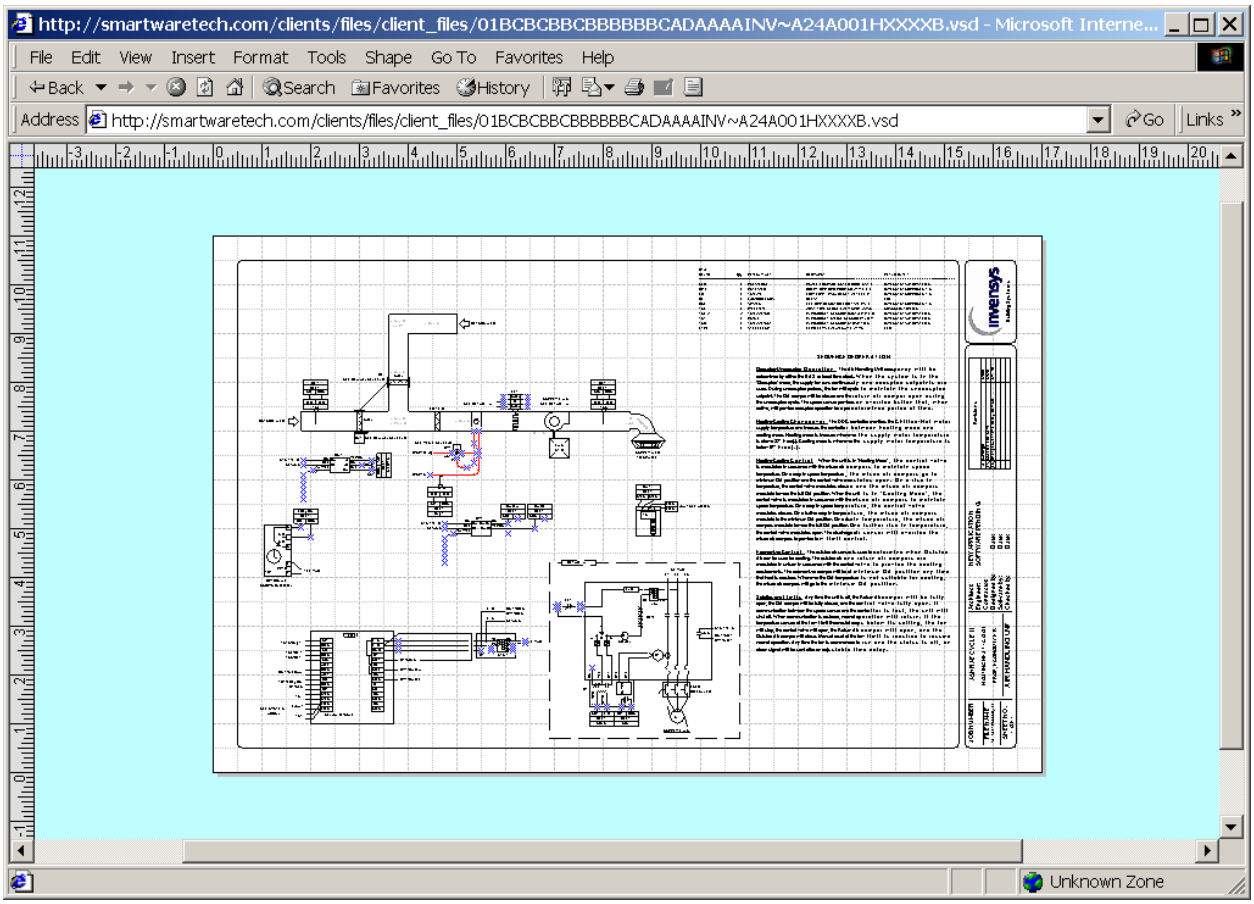

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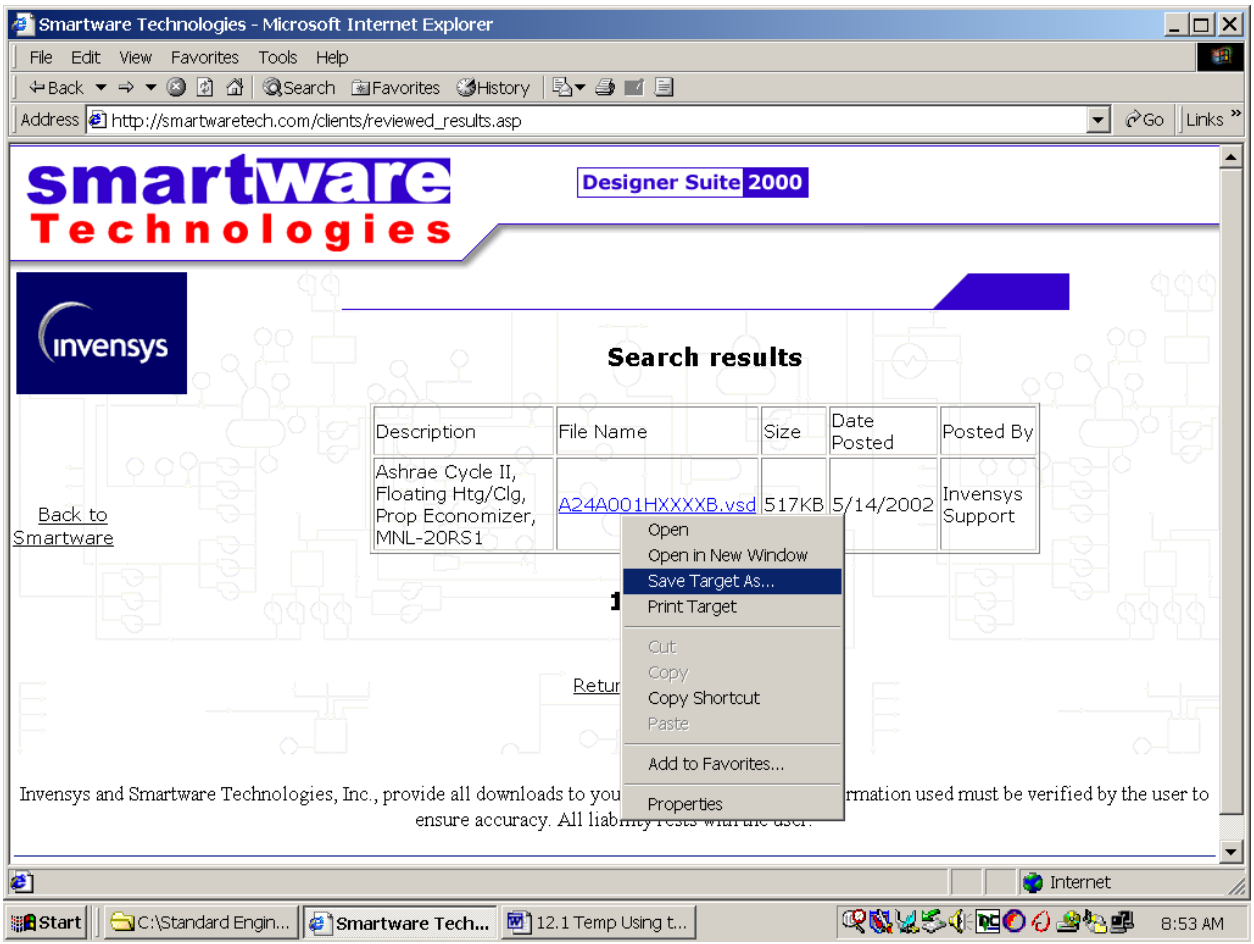
To download the drawing Right Click on the desired Search Result and select ***Save Target as…***



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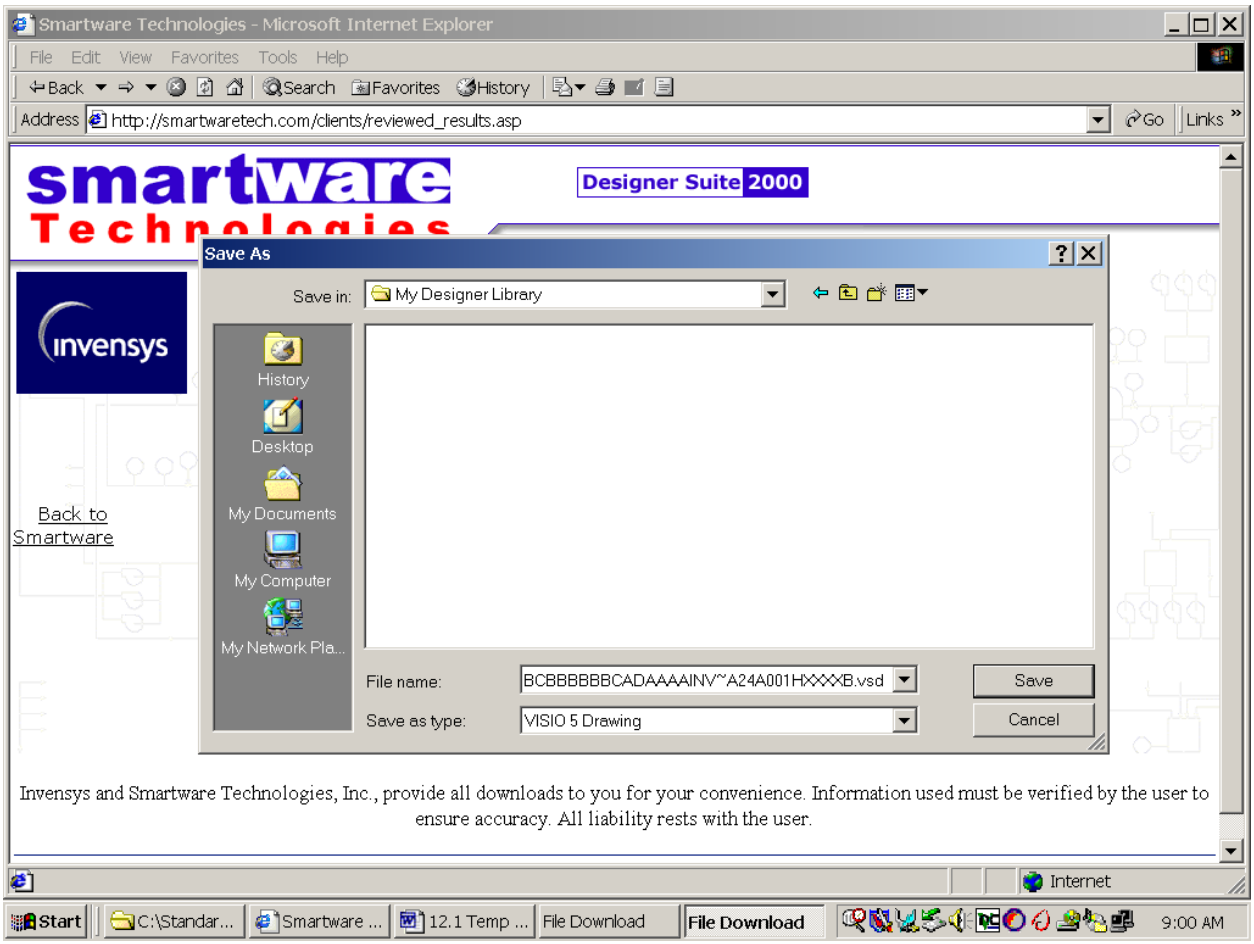
Select the folder on your PC where you would like the drawing to be downloaded.



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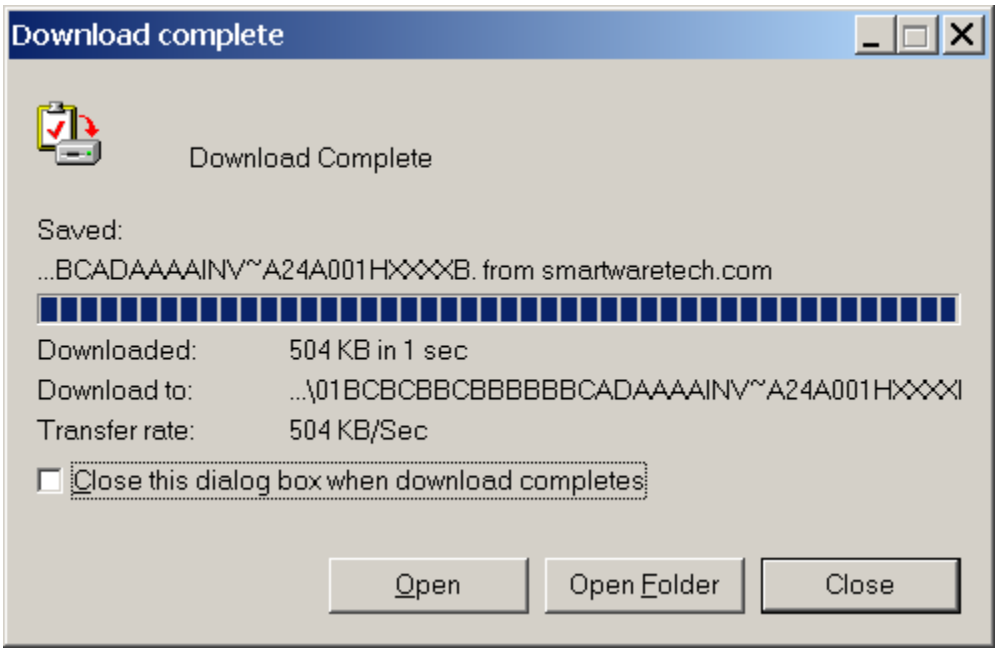

If you are going to add the downloaded drawing to your local library, it is important that the long prefix to the file name is maintained. This is the search information for the drawing designating it as an Air Handling Unit, Constant Volume, etc.

If you are downloading this drawing directly into a job's systems folder you can rename the drawing during the download process.

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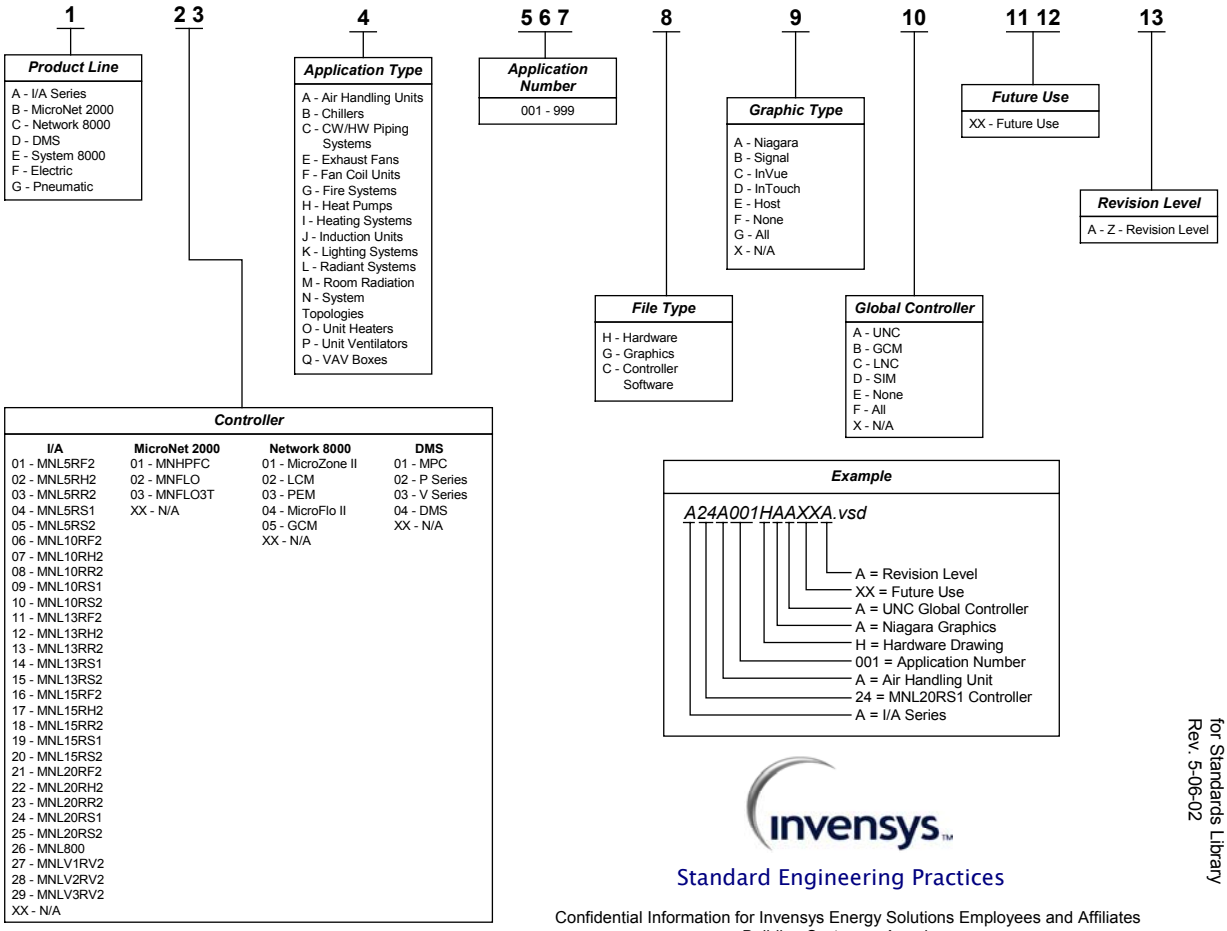
Searching for Hardware, Software and Graphics

All applications stored in the Reviewed Area of the Standard Library, will have a unique file name. This file name follows guidelines set in the Document titled "File Naming System for Standards Library" found in the Standard Engineering Practices.

It is recommended that you do not use this file naming procedure for local systems created. This could cause problems if the same number is assigned to two different systems. Someone in your office may download software that they think matches your hardware drawing because of your file name.

File Naming System for Standards Library



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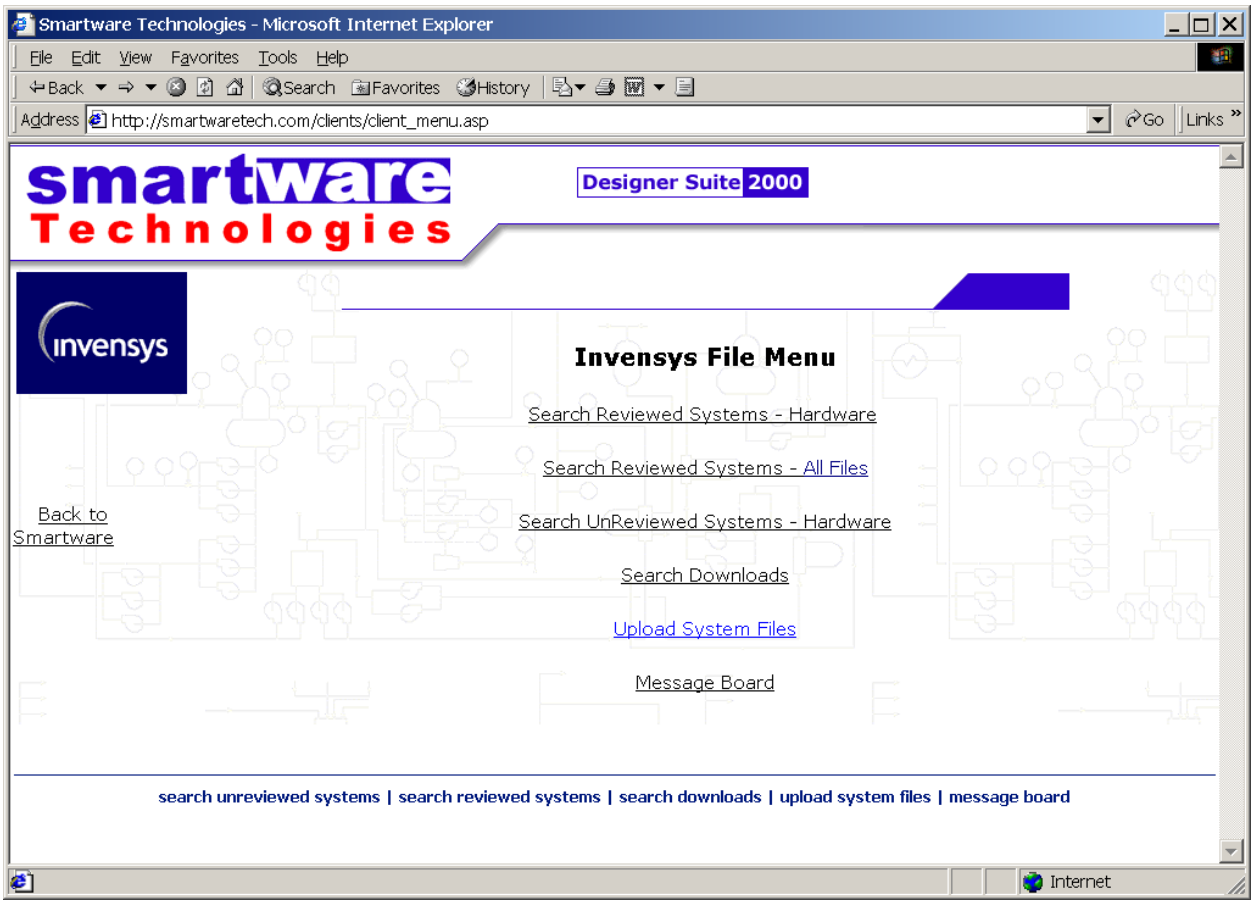
The ***Search Reviewed Systems - All Files*** allows you to search for hardware, controller software and graphics by using the file name as your filter.



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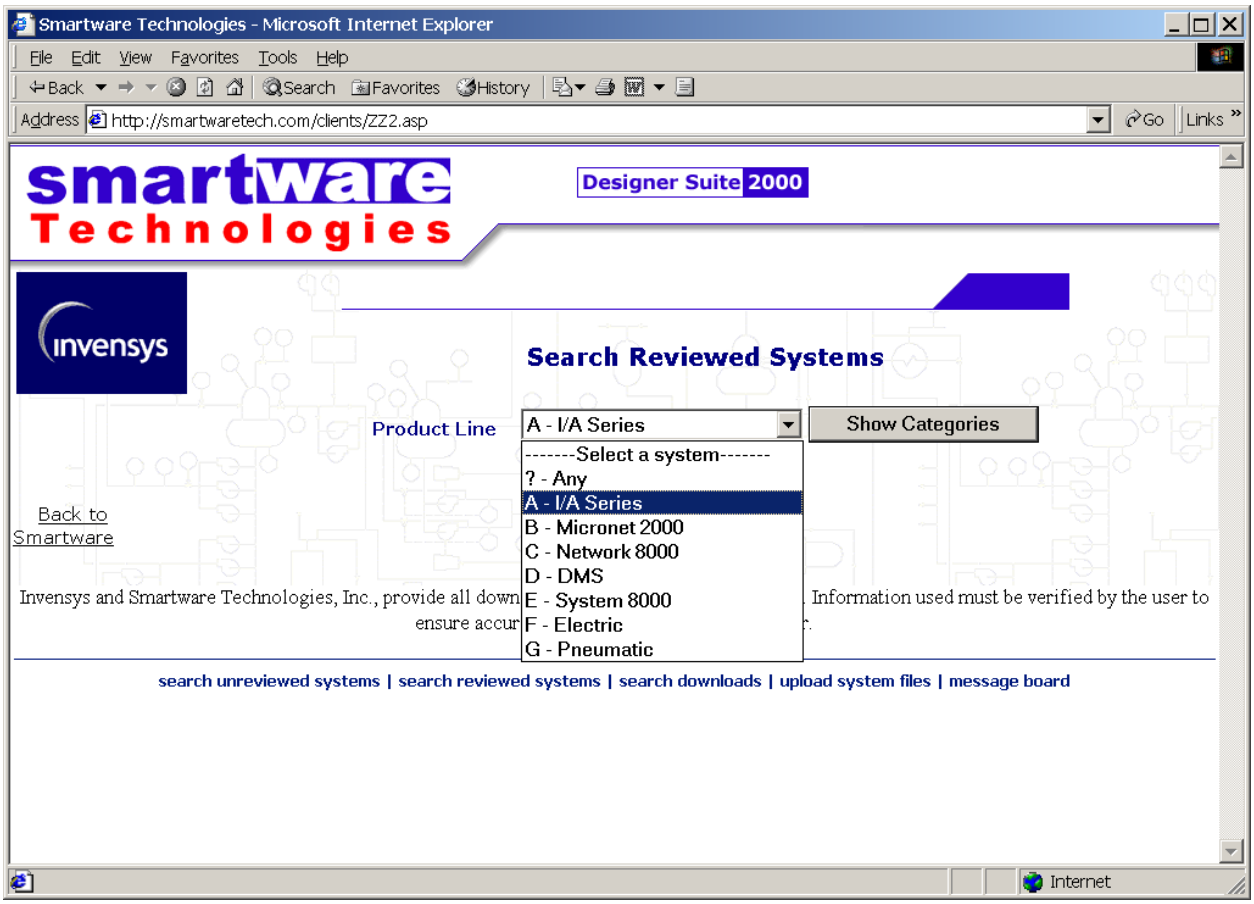
First select the ***Product Line*** desired.



Then selcct the ***Show Categories***.

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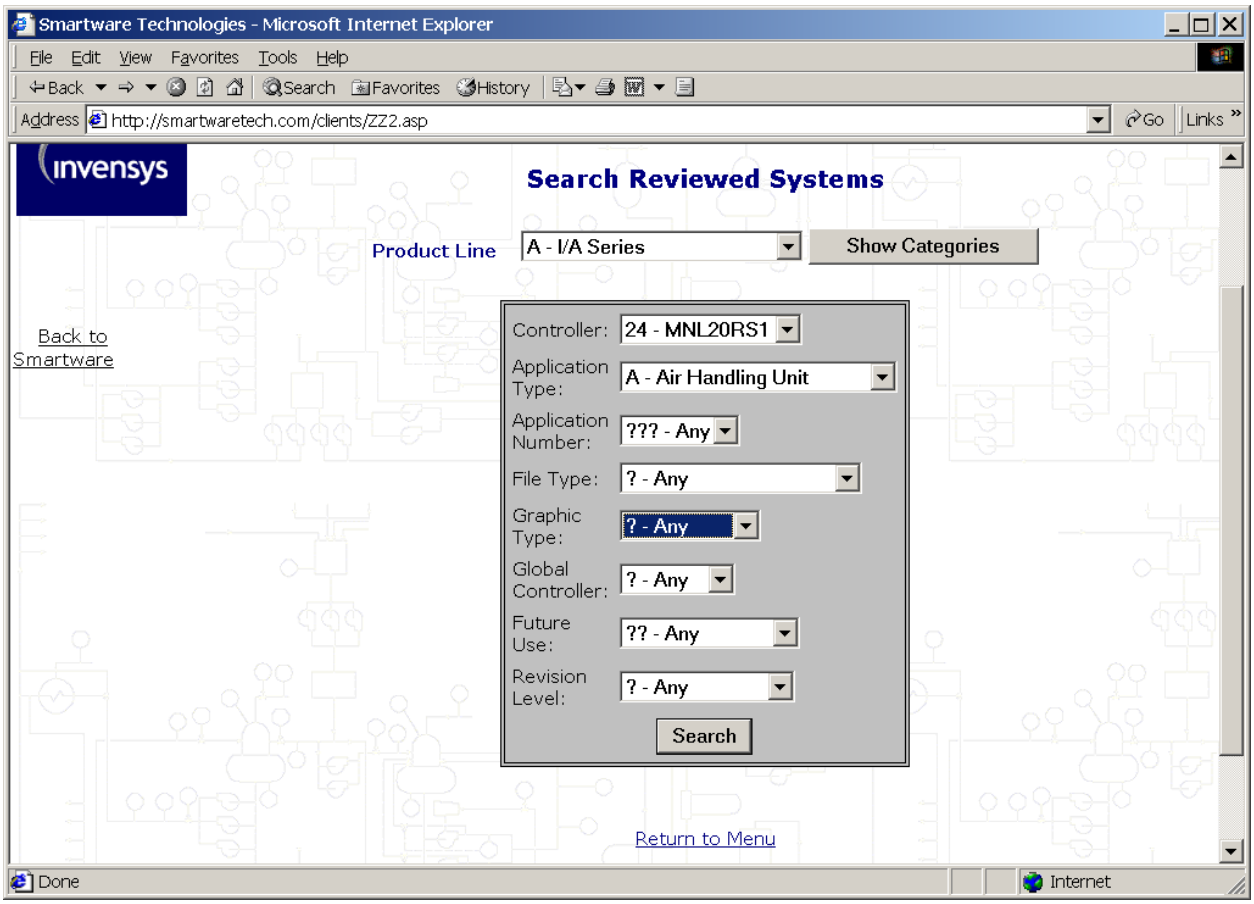
Select the your desired filters.



The select ***Search***.

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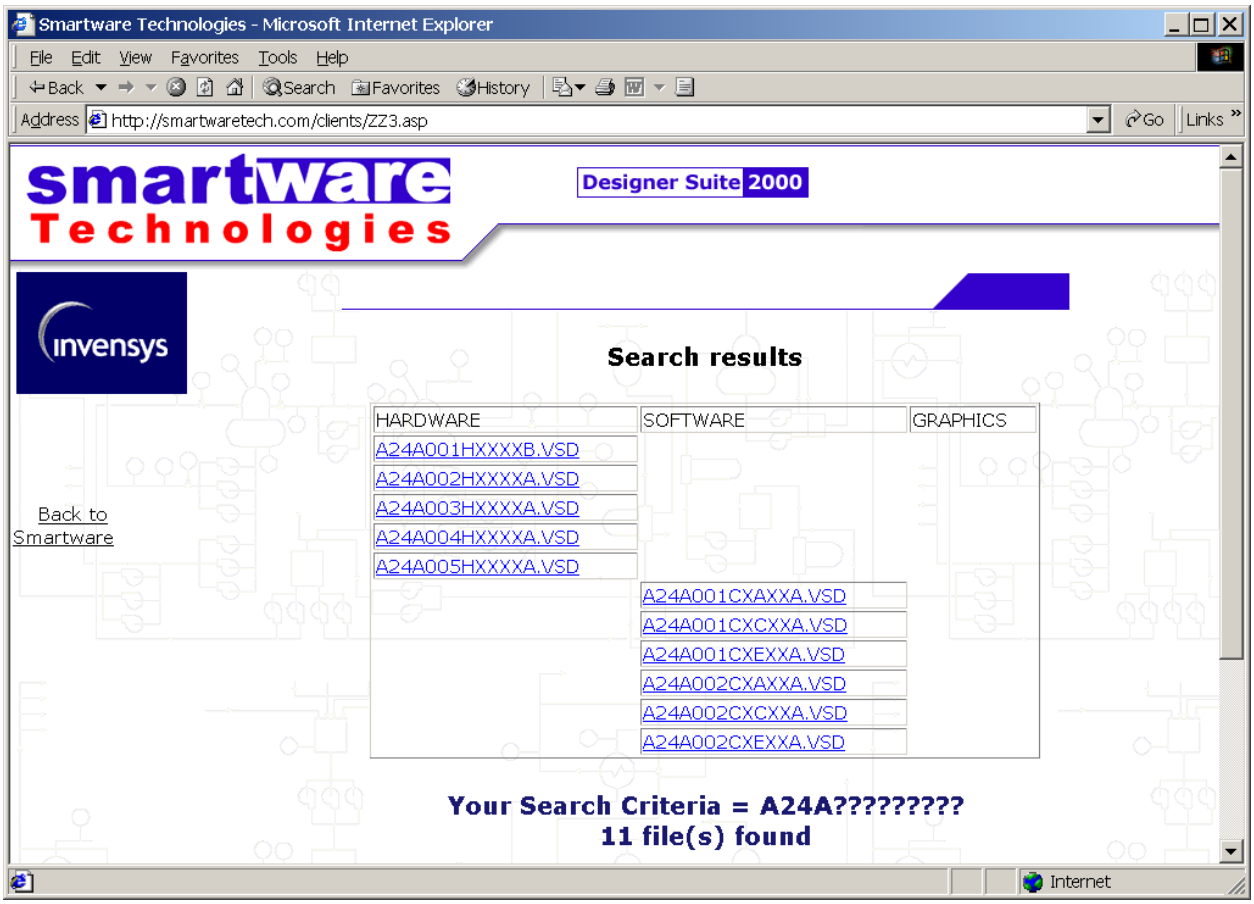

The above search found 5 separate hardware applications. Since the controller software changes depending upon the Graphics Type and the associated Global Controller, there is not a unique software application for each hardware drawing. Two of the applications (A24A001H & A24A002H) each have three associated controller software programs available. One for an application using a UNC as the Global Controller, another using an LNC, and a third that is written as stand alone.

There were no Graphics available for these applications at the time of this search.

Files can be downloaded to your PC as described earlier.

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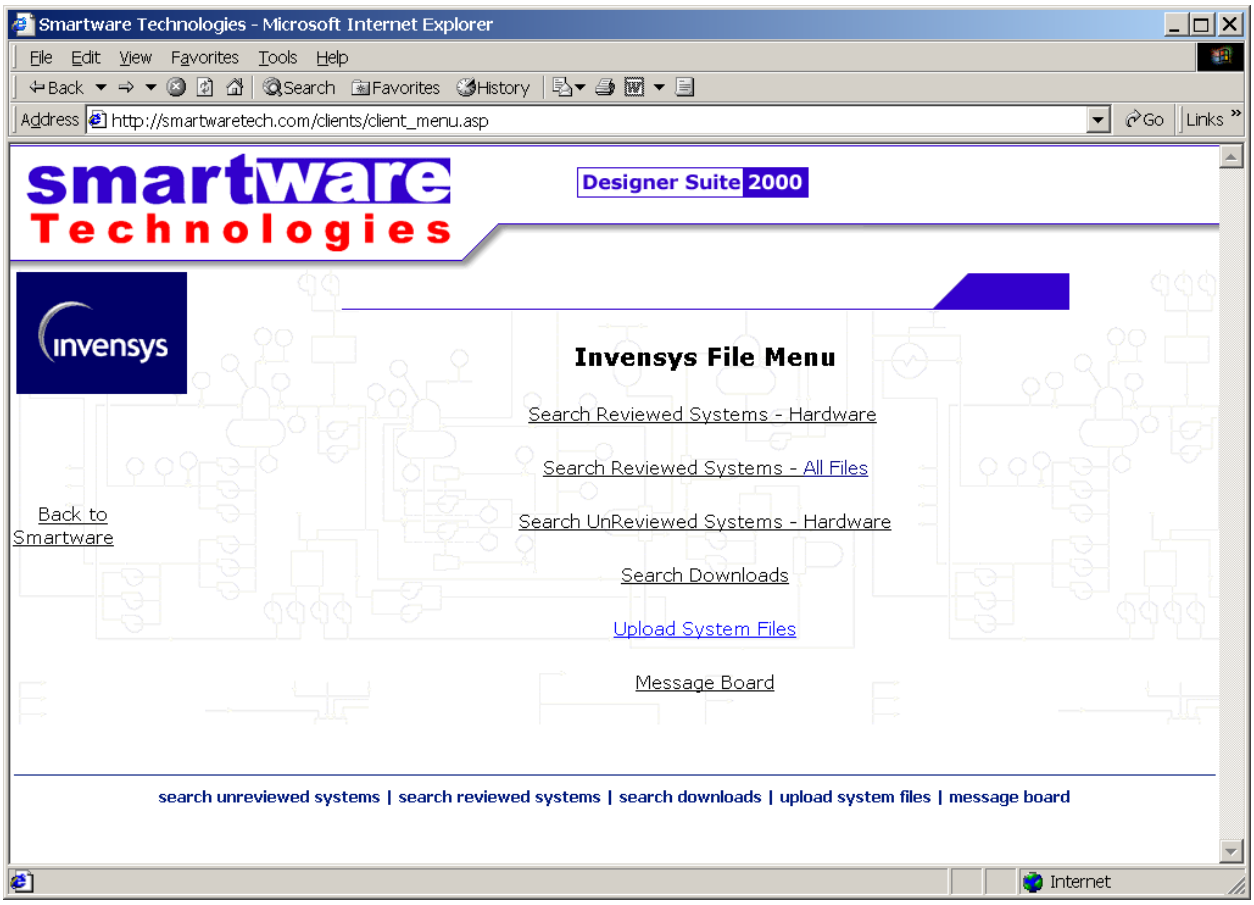
Uploading a System to the Library

If you have created a drawing that you wish to share with others, select ***Upload System Files***



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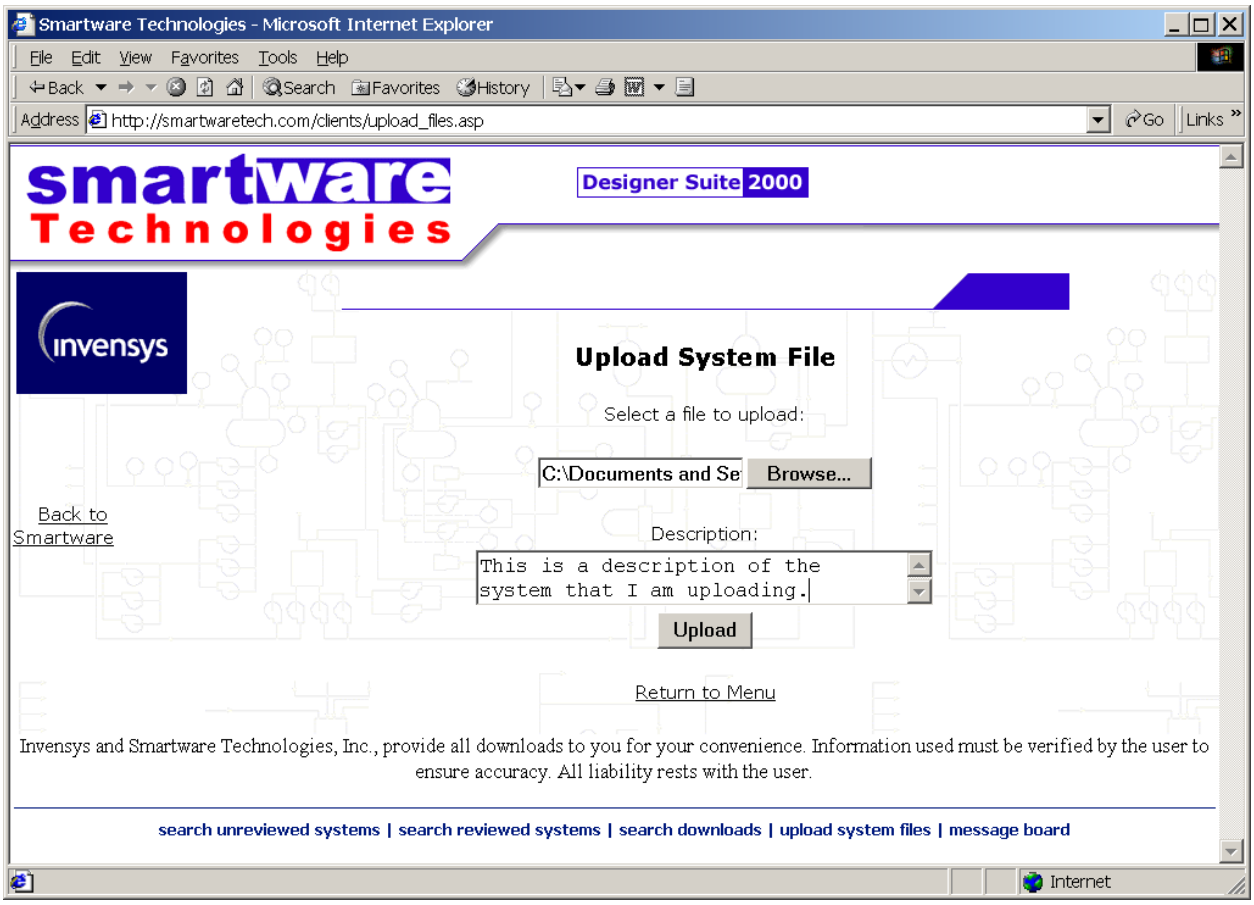
Select ***Browse***. Locate the file you wish to upload.

Type a description of the drawing you are uploading.

Then select ***Upload***.

Your file will go thru a quick review process, then be added to the Un-reviewed Systems Area.



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