

Training/User Manual – Parts & Stockrooms

3.8



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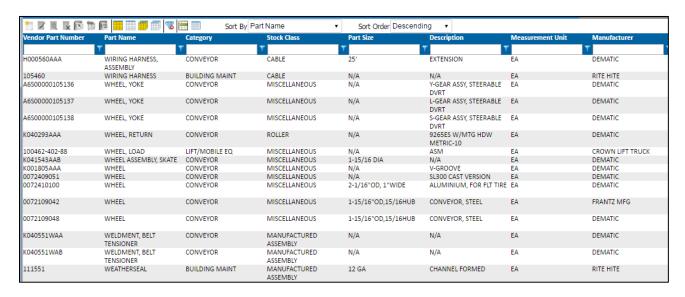
Parts

Overview

The *Parts* page in the *Inventory* Functional Area is used to record and continually maintain a master list of all parts within a company. *Parts* is a complete list of spare parts and maintenance supplies for your entire organization at all locations. Parts are located in specific stockrooms, where current quantity information is maintained. You may or may not have a specific part in your facility, but if it appears on the parts list, another location may have it. You may have the part under a different part number if the company has not standardized on part numbers.

Every part is identified by a unique Part Number.

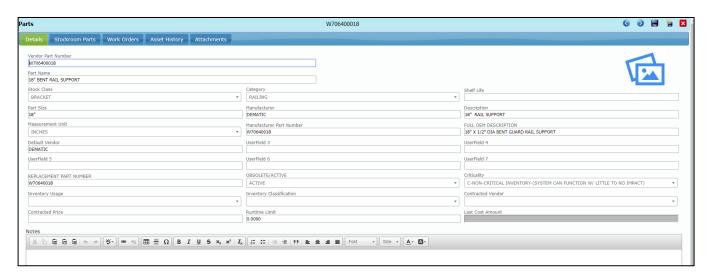
If there is not an existing part database that can be converted to a Proteus MMX database, each part must be manually entered into *Parts*. Enter the Part information into the data entry fields on the screen (See the *Entering Data* section below.); as with all data in Proteus MMX, parts can be imported using the import utility tool as well. Required fields will be identified before you save the record. There are separate documents describing the use of the Proteus MMX import templates.



Details

The Details Tab consists of basic part fields. These fields are Part Number, Part Name, Stock Class, Shelf Life, Category, Manufacturer, Manufacturer Part Number, Part Size, Measurement Unit, and Description.

Note: The required fields are Part Number and Part Name. By default, all other fields are optional. However, additional fields can be required by the administrator using the Data Fields page in Settings. Leaving information fields blank will decrease Proteus MMX's effectiveness in building complete maintenance history records. Make sure all available information has been gathered prior to recording.

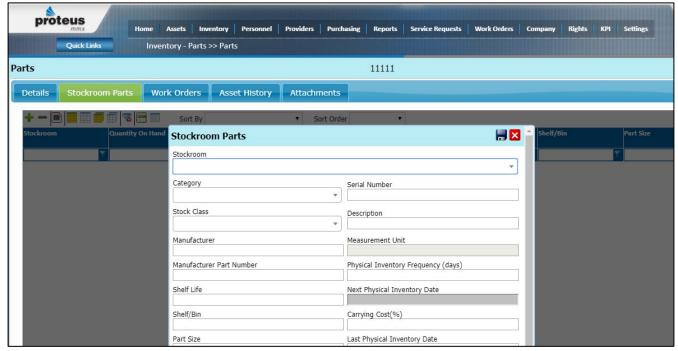


Stockroom Parts

The Stockroom Parts Tab displays a listing of all stockroom information that is relevant to the current part record. This information includes stockroom information, cost, and quantities.

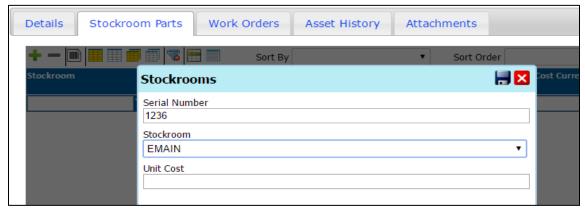
While the Quantity on Hand is not required, it is a good idea to enter it immediately after creating a part, otherwise, a transaction will need to be performed to update Quantity on Hand.

Note: After the part record has been initially created and assigned to a stockroom, the information on this tab will not be able to be edited. It will be read-only and displayed for reference purpose only. To make changes to this information, see "Stockrooms" later in this manual.



Stockroom Parts

In this tab, the user can also serialize a part. It may be necessary to serialize certain parts that will be repaired and used on Repair Orders. To assign a serialized part to a stockroom, Select the *Serialize* icon and fill in the Serial Number and Stockroom.



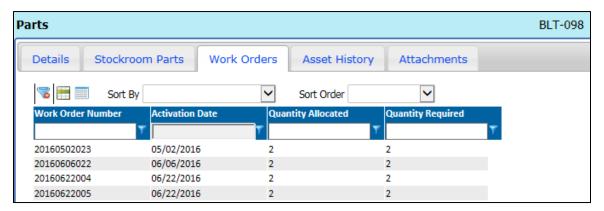
Serialize Part

Note: Parts must be serialized before they are first added to a stockroom.

Work Orders

The Work Orders Tab displays various information for parts that are currently associated to open work orders. When a part is used on a work order, the quantity information will be displayed in this tab. This data is read-only and is used for references purpose only.

The fields listed on the Work Orders Tab are: Work Order Number, Activation Date, Quantity Allocated, and Quantity Required.

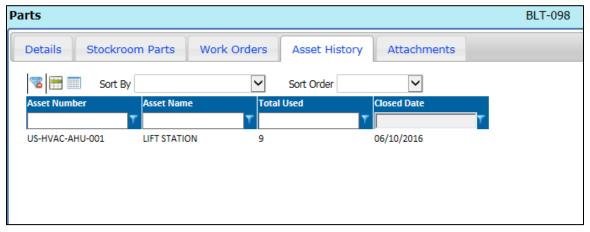


Work Orders Tab

Asset History

The Asset History Tab displays various information regarding the assets on which a specific part was used. When a part is used on an asset (via a Work Order), the information will be displayed in this tab. This data is read-only and is used for reference purpose only.

The fields listed on the Work Orders Tab are: Asset Number, Asset Name, Total Used, and Last Used Date.



Asset

History Tab

Attachments



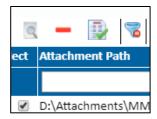


If it is not in the current folder, you can select *choose file*, which allows you to search any drive/folder and add a file to the part attachments. Selecting the file to be attached, and then select the upload icon.



to the number of attachments on a part.

The remaining icons on the tab are; view, delete and associate with every part. These Icons will only be active if one or more attachments are selected.



Entering Data

To enter a new Part into the database, follow these steps:

From the Part Record Navigator, Select the *New* icon. Enter the Part Number, Part Name, and any other relevant data.

Note: Each Part Number must be unique.

On the Stockroom Parts tab, Select the green + sign to allocate that part to the stockroom(s) it's located in.

Enter the Stockroom, Quantity On Hand, Unit Cost, Vendor, and any other relevant data. Select *Save*.

Note: You can only allocate Parts to Stockrooms when you are first entering a new part. Once a part is saved, the part can be allocated to stockrooms at a later time using the Stockrooms module.

Select the *Save* icon on the top right of the screen. (You can also Select the *Save and Continue* icon on the top right of the screen if you wish to add another new Part at this time.)

Exercises

Add 3 records to the Parts Master File using the examples below:

| Part No. | BLT001 |
|-----------------------|-------------------------|
| Part Name | Belt, Drive |
| Stock Class | Class1 |
| Part Size | 24 inch |
| Measurement Unit | Each |
| Manufacturer | 3COM |
| Manufacturer Part No. | 3CDB24PR |
| Description | 24 inch serpentine belt |

| Part No. | LUB002 |
|-----------------------|-----------------|
| Part Name | Lube, Gear |
| Stock Class | Class4 |
| Part Size | 55 gallon drum |
| Measurement Unit | Gallons |
| Manufacturer | Various |
| Manufacturer Part No. | See Vendor list |
| Description | 90w gear lube |

| Part No. | FLT004 |
|-----------------------|--------------------------|
| Part Name | Filter |
| Stock Class | Class2 |
| Part Size | 36 x 28 x 1 |
| Measurement Unit | Each |
| Manufacturer | Trane |
| Manufacturer Part No. | TR3628 |
| Description | Air filter for Trane AHU |

Stockrooms

Overview

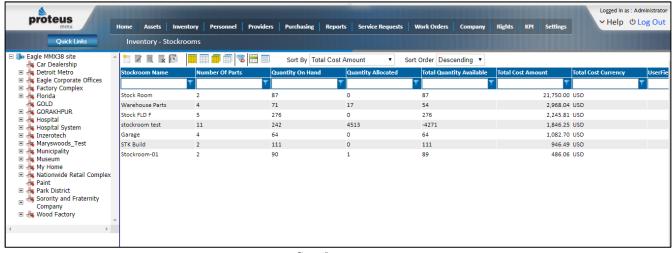
The *Stockrooms* page in the *Inventory* Functional Area is used to enter and display quantity details about a part. It is also used to conduct transactions (adjusting part quantities) and move tickets (moving parts between stockrooms).

The main page of Stockrooms consists of two different areas: a navigation tree and the Record Navigator.

The navigation tree displays all stockrooms by company location. Users can place stockrooms in certain physical locations. Users can then choose parts that already exist in the Parts Master List and add them to one or many stockrooms.

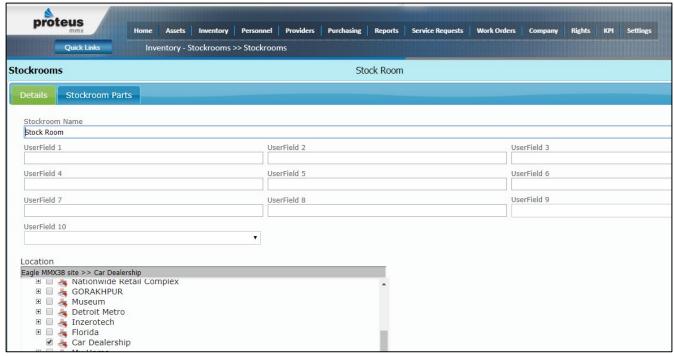
Note: A part must be located in a stockroom in order to have quantities associated with it.

The Record Navigator displays a listing of the stockrooms and various stockroom related information. When a specific stockroom is expanded, a details grid appears on the screen and lists the parts in the specific stockroom as well as part related information. The fields listed in the Record Navigator are Stockroom Name, Number of Parts, Quantity on Hand, Quantity Allocated, Quantity Available, and Total Price. The fields listed in the details grid are Part Number, Part Name, Category, Stock Class, Part Size, Serial Number, Description, Measurement Units, Manufacturer, Manufacturer Part Number, Last Cost, Shelf Life, Quantity on Hand, Quantity Allocated, Unit Cost, and Quantity Available.



Stockrooms

Note: The main grid displays information specific to the stockroom. The name and location can be edited by selecting the *Edit* icon. Expanding a stockroom reveals the details grid. The details grid displays the parts in the stockroom. Further information regarding this area is listed below.



Stockrooms Details

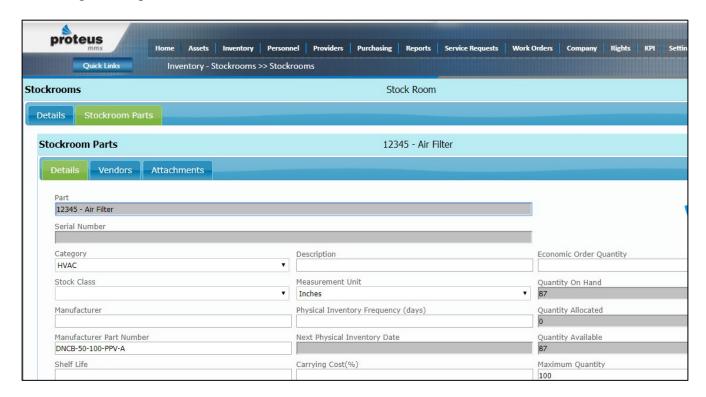
The Details tab consists of basic part information that is pulled from the Parts Master page as well as quantity, cost, and date fields. All quantities are drawn from the selected stockroom except for *Total Quantity on Hand*, which is a summary of all stockrooms.

These fields are: Part, Category, Stock Class, Manufacturer, Manufacturer Part Number, Shelf Life, Part Size, Serial Number, Description, Measurement Unit, Physical Inventory Frequency, Next Physical Inventory Date, Carrying Cost, Last Physical Inventory Date, Economic Order Quantity, Quantity on Hand, Quantity Allocated, Quantity Available, Maximum Quantity, Unit Cost, and Re-Order Point.

Stock Room Parts

Details

Following is an explanation of some of these fields:



Quantity Allocated: This is the total number of parts that will be needed for all active work orders. It is possible that this value may exceed the quantity on hand, but will never be negative. Quantity Allocated is automatically updated to reflect the total number of parts attached to work orders in the Active Work Order page.

Quantity Available: This value is calculated from the following formula: Qty on Hand - Qty Allocated. It is possible that this value may become negative, based upon part usage in work orders. This value is used when the system calculates a part's reorder point (Qty Available + Qty on Order \leq Reorder Point).

Maximum Quantity: Use the value in Maximum Quantity to manage inventory levels and avoid overstocks.

Physical Inventory: The Physical Inventory fields provide a place to enter physical inventory schedules. Routine physical inventories may be performed to double check the Qty on Hand.

The Next Physical Inventory field is not editable. Proteus MMX calculates this field as follows:

Last Physical Inventory + Physical Inventory Frequency = Next Physical Inventory.

Automatic Purchase Order generation can be added on reorder point. Purchase orders will

automatically be created when a part reaches its reorder threshold by selecting Auto-Order. A part can be made "Critical" by selecting 'Is Critical Part.' Once checked, a star icon will display in the grid view.

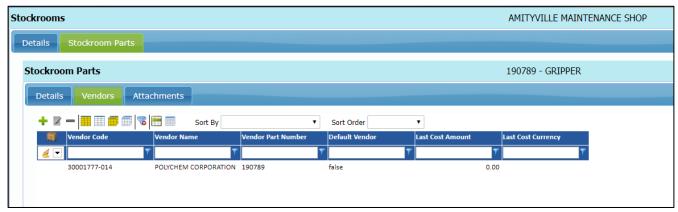


Note: Some of this data is read-only and is used for references purpose only.

Vendors

The Vendors Tab displays a list of Vendors associated with the current part.

These fields are Vendor Code, Vendor Name, Vendor Part Number, Last Cost, and Lead Time.



Vendors Tab

Attachments

Attachments

To add an Attachment, on the Attachments tab, select the green + sign want to attach (just like adding an attachment to an email. If the attachment is in the current attachments folder, you can *Attach* (paperclip) icon in the top left of the window.



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If it is not in the current folder, you can select *choose file*, which allows you to search any drive/folder and add a file to the stockroom parts attachments. Selecting the file to be attached, and then select the

upload icon. The attachment will be uploaded to the stockroom part attachments, and appear in the attachments folder in the future. Any type of file can be attached to stockroom parts.

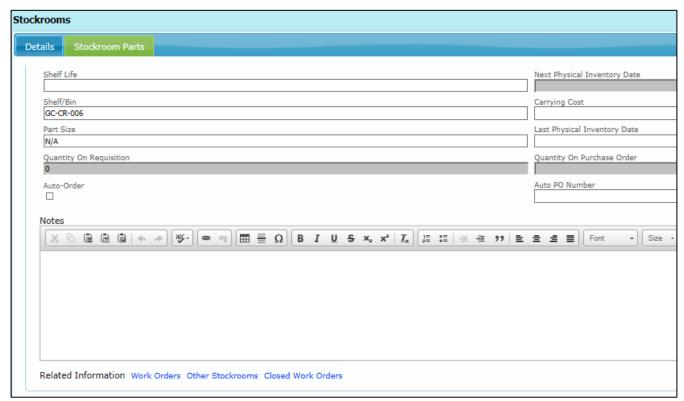
It can be viewed as long as the person trying to view the attachment has the proper tool to view the file type on their specific device. There is no limit to the number of attachments on a stockroom part.

The remaining icons on the tab are; view, delete and associate with every stockroom part. These Icons will only be active if one or more attachments are selected.



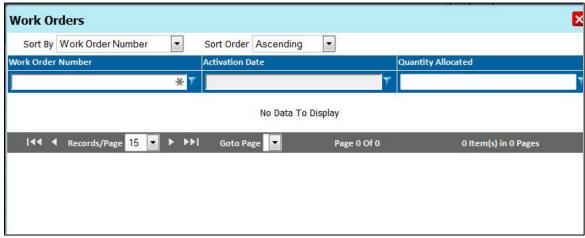
Related information:-

Work Orders



Stockrooms - Stockrooms Parts - Details Tab

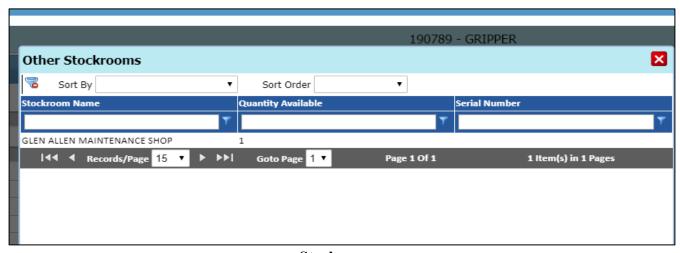
The Work Orders link displays a list of active work orders that are using the specified part. These fields are: Work Order Number, Activation Date, and Quantity Allocated.



Work Orders

Other Stockrooms

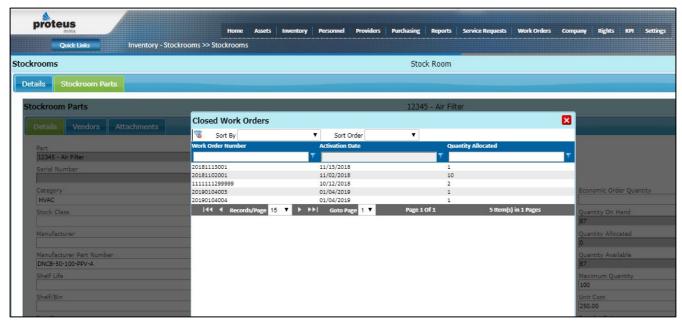
The Other Stockrooms link displays a list of other stockrooms that contain the current part. The fields are Stockroom, Quantity Available and Serial Number.



Stockrooms

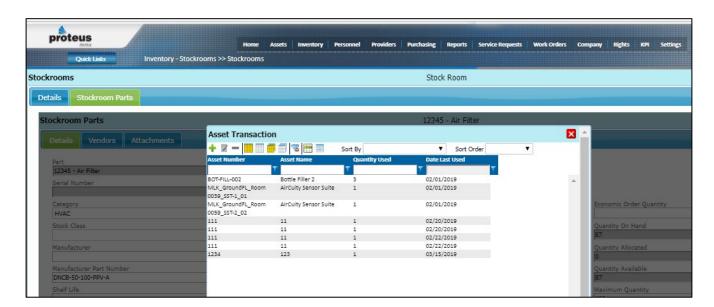
Closed work orders

The Closed Work Orders link displays a list of closed work orders that are using the specified part. These fields are Work Order Number, Activation Date, and Quantity Allocated.

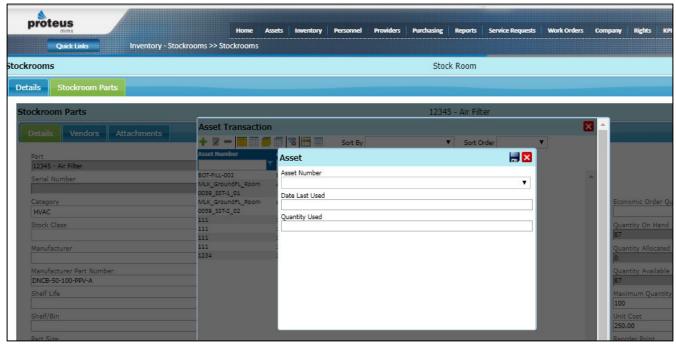


Closed Work Orders

Asset Where Used







Stockroom Dialog Icons

In addition to the standard icons, the stockroom page contains these icons:



Transactions

Transactions are used to update part quantities in a stockroom. Users can: *add*, *subtract*, or *adjust* the quantity of a part in a given stockroom. All Transactions are recorded in the Transaction History page.

Note: Adjust will replace the current quantity in the stockroom with the new quantity.

To perform a transaction on a part:

Open Stockrooms from the Inventory area.

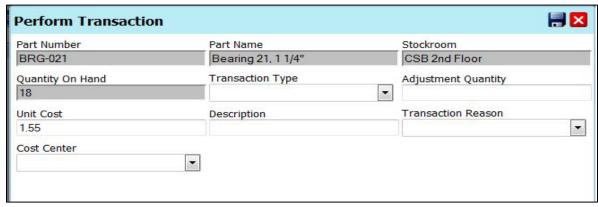
Select a stockroom and expand it.

Select a part.

Select Perform Transaction.

Enter in all required data

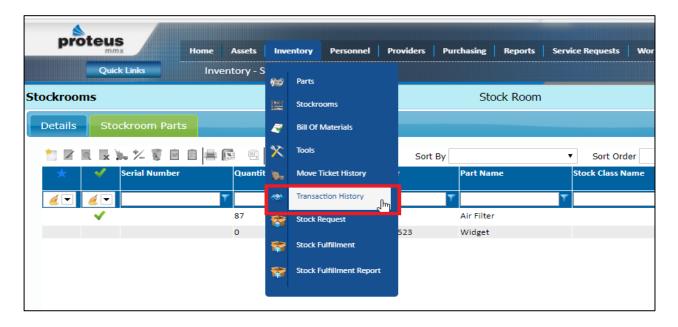
Select the Save icon when completed.

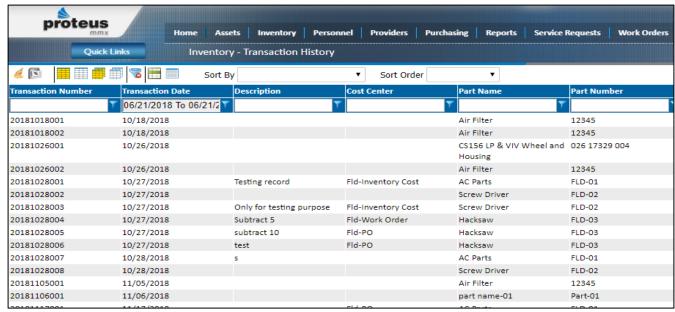


Transactions

Transaction History

All transactions performed in the Stockroom Part will be recorded in the Transaction History module under Inventor





Transaction history page

Move Tickets

Move Tickets are used to move parts between stockrooms. Users can select a part and move a quantity of those parts to a different stockroom. All Move Tickets are recorded in the Move Ticket History page.

To move a part to another stockroom:

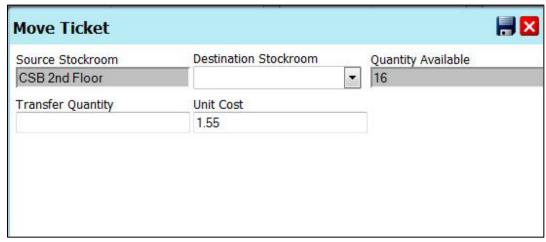
Open *Stockrooms* from the *Inventory*. Select a stockroom and expand it. Select a part.



Choose a stockroom and enter all the required data. Select the Transfer icon when completed.

Note: The *Destination Stockroom* drop-down will be filtered to display all stockrooms in which the currently selected part is located.

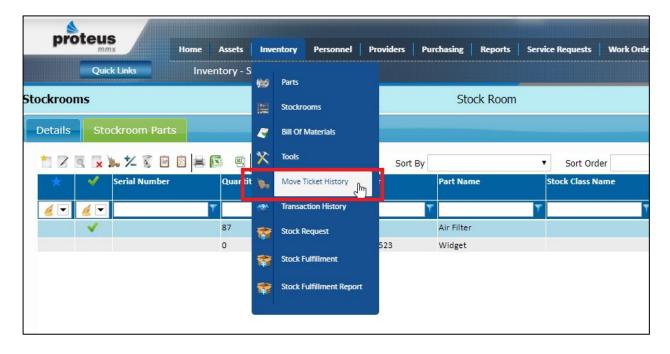
Note: Serialized parts will not display a quantity when a move ticket is issued against them.



Move Ticket

Move Ticket History

All details of moving a part from one stockroom to another will be recorded in Move Ticket history.

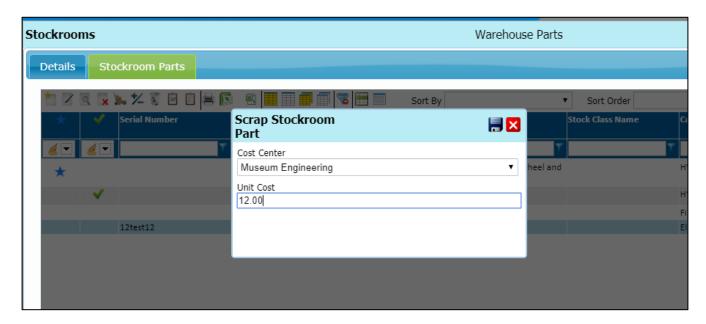




Move ticket history page

Scrap

Scrap can be performed on only serialized parts.



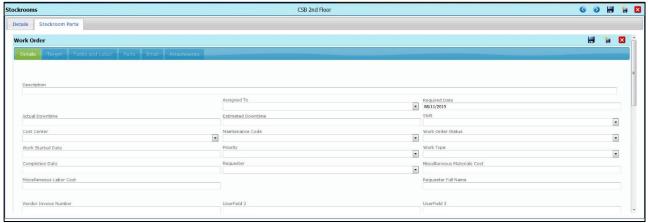
Kit Orders

A kit is a part that exists in a stockroom and is a collection of other parts. A kit order is an active work order generated to create a kit for the purpose of capturing labor costs and part costs. The labor cost will be the cost of creating the kit. The part costs will be the total cost of all parts going into the kit. These costs will be used to calculate the unit cost of the kit (represented as a part) in the stockroom.

To issue a kit order:

Open *Stockrooms* from the *Inventory* area. Select a stockroom and expand it. Select a part/kit. Select *Create Kit*. Enter all required data.





Kit Orders

Repair Orders

A repair order is very similar to a work order with one main difference. A repair order is used to fix a serialized part.

To issue a repair order:

Open *Stockrooms* from the *Inventory* area. Select a stockroom and expand it.

Select a serialized part.



Enter all required data.





Repair Orders