

## **CHAPTER 42 - LOCATION SETUP WIZARD & LOCATION EXPERT.....2**

LOCATION WIZARD .....	2
Location .....	2
Creating Locations.....	2
Modifying Locations .....	7
Deleting Locations .....	9
LOCATION EXPERT .....	10
Finding a Location .....	10
Using Column Headers to Modify Search .....	12
Example Search .....	13
Modifying Locations Info.....	13
Saving Modification.....	15
Security .....	15

# **CHAPTER 42 - LOCATION SETUP WIZARD & LOCATION EXPERT**

## **Location Wizard**

The Location Setup Wizard is used to quickly add a number of locations during the initial setup of a facility or modify several existing locations at once. Access the Location Setup Wizard via Setup / Wizards / Location Wizard.

## **Location**

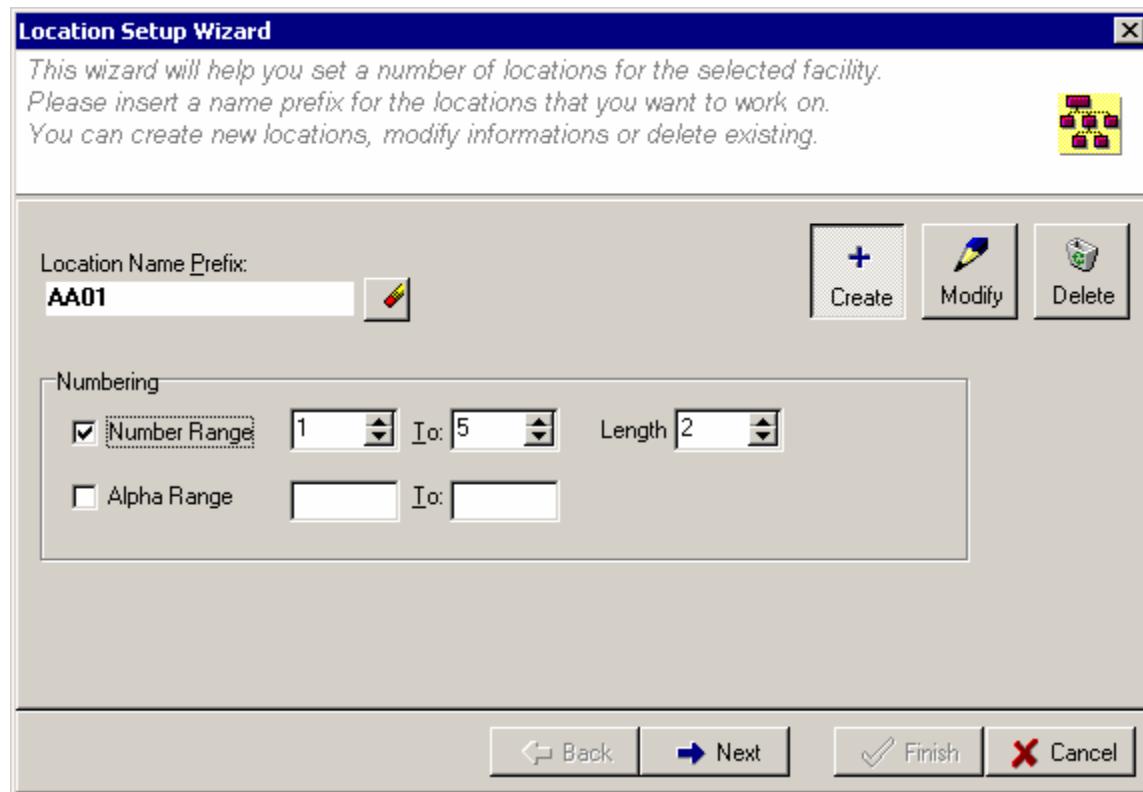
The Location ID must be unique within each facility. It is entered when adding a new location, and cannot be changed. (Incorrect Location ID's can be deleted, and reenter a new Location ID.)

Location IDs are usually assigned in one of two preferred formats: 1) Aisle/Bay/Level, with 1 or 2 letters or numbers for each part of the ID (e.g., AA0303), or 2) Prefix + Sequence, with an alpha prefix that defines the type of location (e.g., DOOR14).

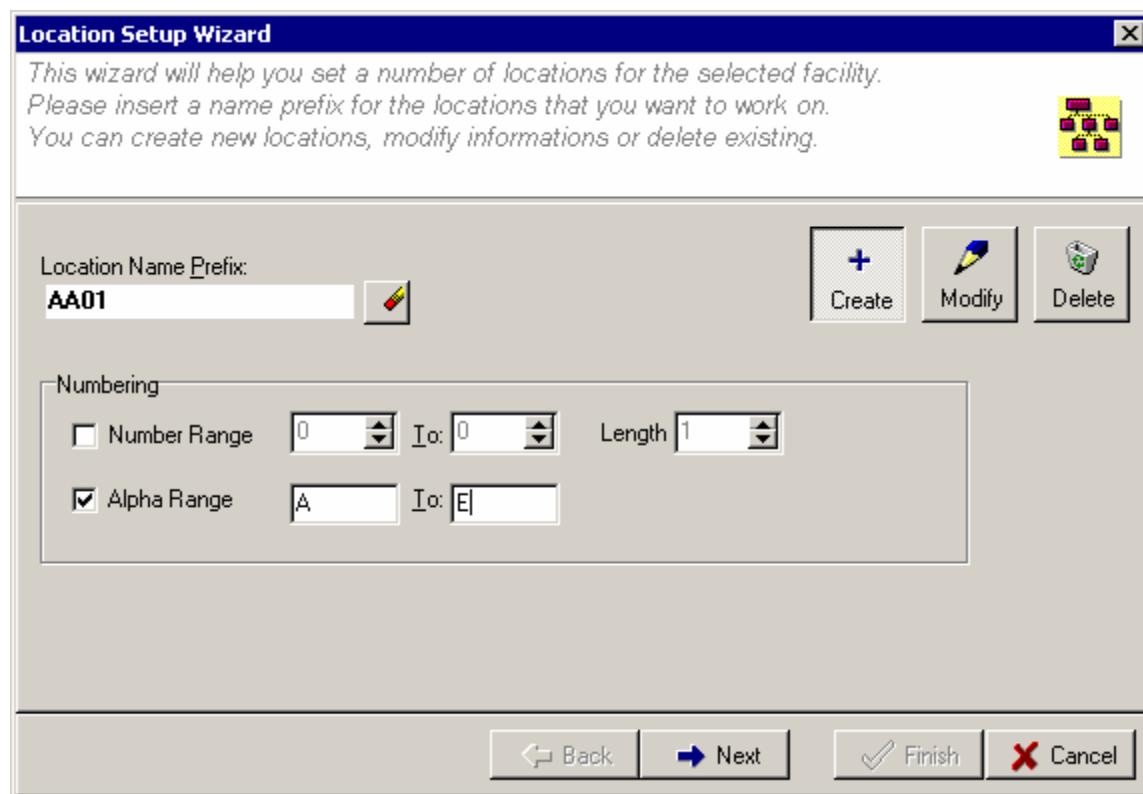
## **Creating Locations**

First enter the Location Name Prefix into the field. Numbers and/or a single letters will be added to the Prefix.

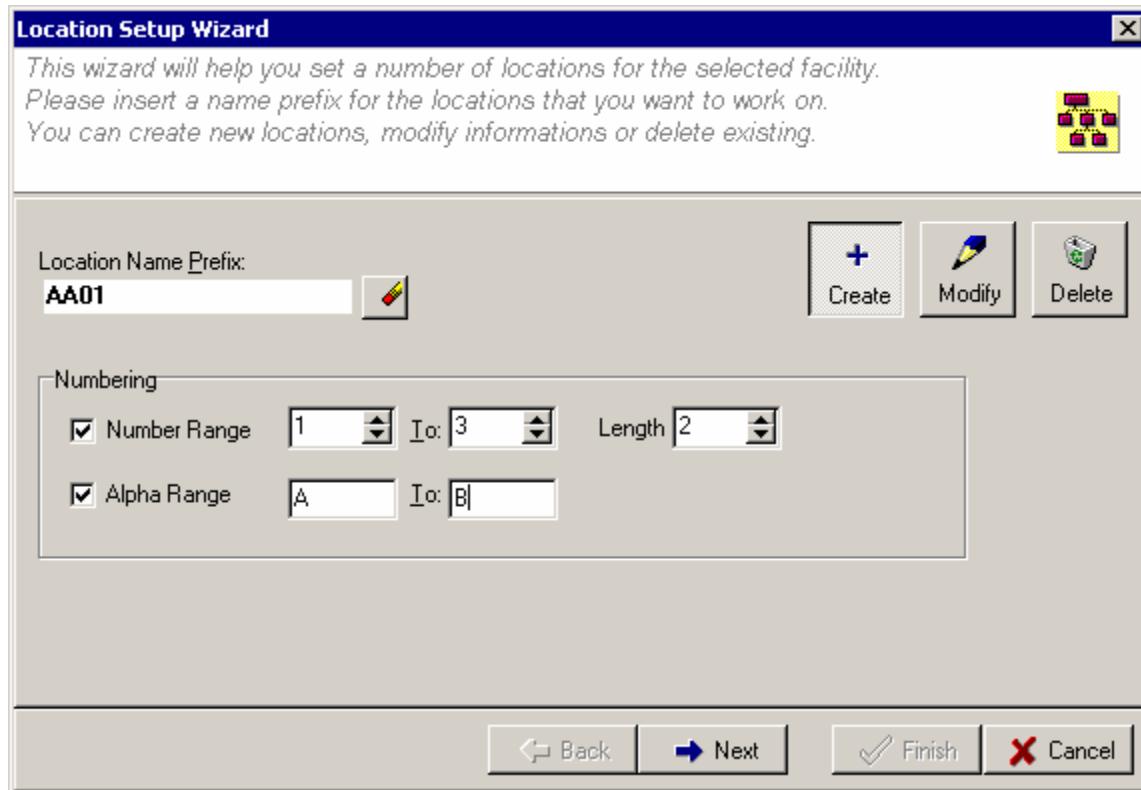
When Number Range is selected use the up and down arrows to select the Sequence numbers. Next select the Length of numbers. For example if 1 To 5 is selected and the Length is 2 then the Sequences will be 01, 02..., 05. If 3 is the selected Length then the Sequence will be 001, 002..., 005.



When Alpha Range is selected enter the first and last letters wanted in the Sequence.  
In the example below, Location IDs AA01A ... AA01E are created.

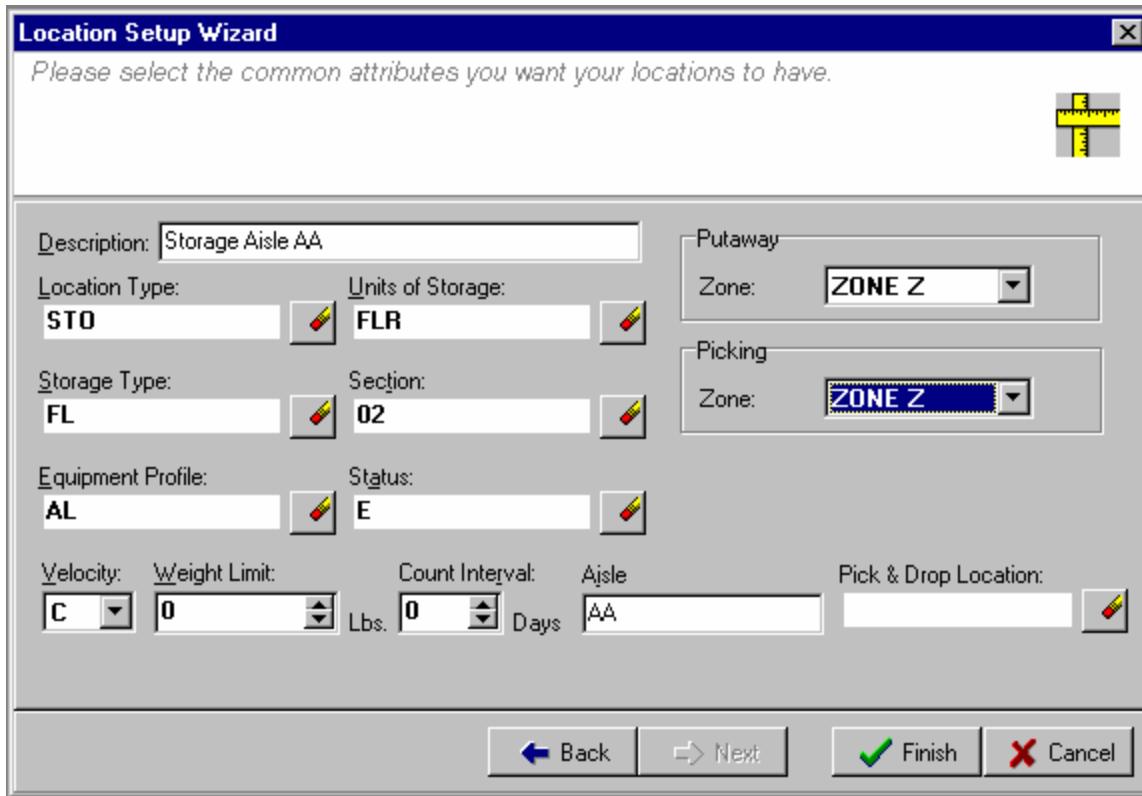


If both the Number Range and Alpha Range are selected then both will create the Sequence. The sequence will first display the Number Range and then the Alpha Range. It will create a location for all possible combinations of the two. In the example below the location created are AA0101A, AA0101B, AA0102A..., and AA0103B.



If neither box is checked only one location will be created and the Prefix will be the entire Location ID.

Once the parameters have been entered, click the **Next** button to continue. The Location Setup Wizard Attributes screen allows location information to be added.



**Description:** Text describing the location. Optional.

**Location Type:** The value entered must be an entry in the LocationTypes validation table. Required.

**Storage Type:** The value entered must be an entry in the StorageTypes validation table. Required.

**Equipment Profile:** The value entered must be an entry in the EquipmentProfiles validation table. Required.

**Units Of Storage:** The value entered must be an entry in the Units of Storage Table. This table can be accessed from Setup/Facility/Location/Units Of Storage. Required.

**Section:** The value entered must be an entry in the Section Table. This table can be accessed from Setup/Facility/Location/Section Maintenance. Required.

**Status:** The value entered must be an entry in the LocationStatus validation table. Required.

**Putaway Zone:** Select the Putaway Zone from the drop down box. Optional

**Picking Zone:** Select the Picking Zone from the drop down box. Optional

**Velocity:** Select the Velocity from the drop down box. Optional.

Weight Limit: The maximum weight allowed at the location. Optional

Count Interval: This field sets the number of days for SYNAPSE to generate cycle count tasks for the location. Optional.

Aisle: The Aisle of the location. Optional.

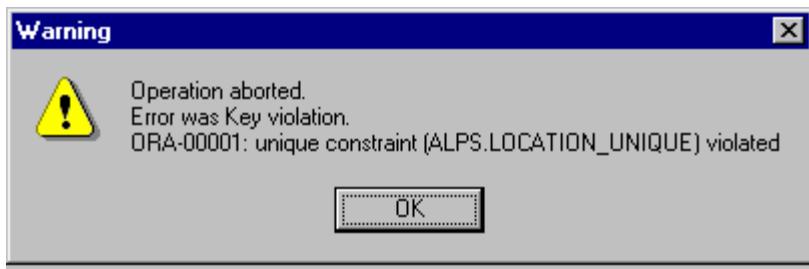
Pick & Drop Location: If entered, the location must be a valid pick and drop location. Optional.

For more information about each of these fields, please see the SYNAPSE Concepts Manual.

Once the attributes have been entered, click on the  button to add the locations. This button will be grayed out until all required fields have been entered. When the process has been completed correctly the following message will appear:

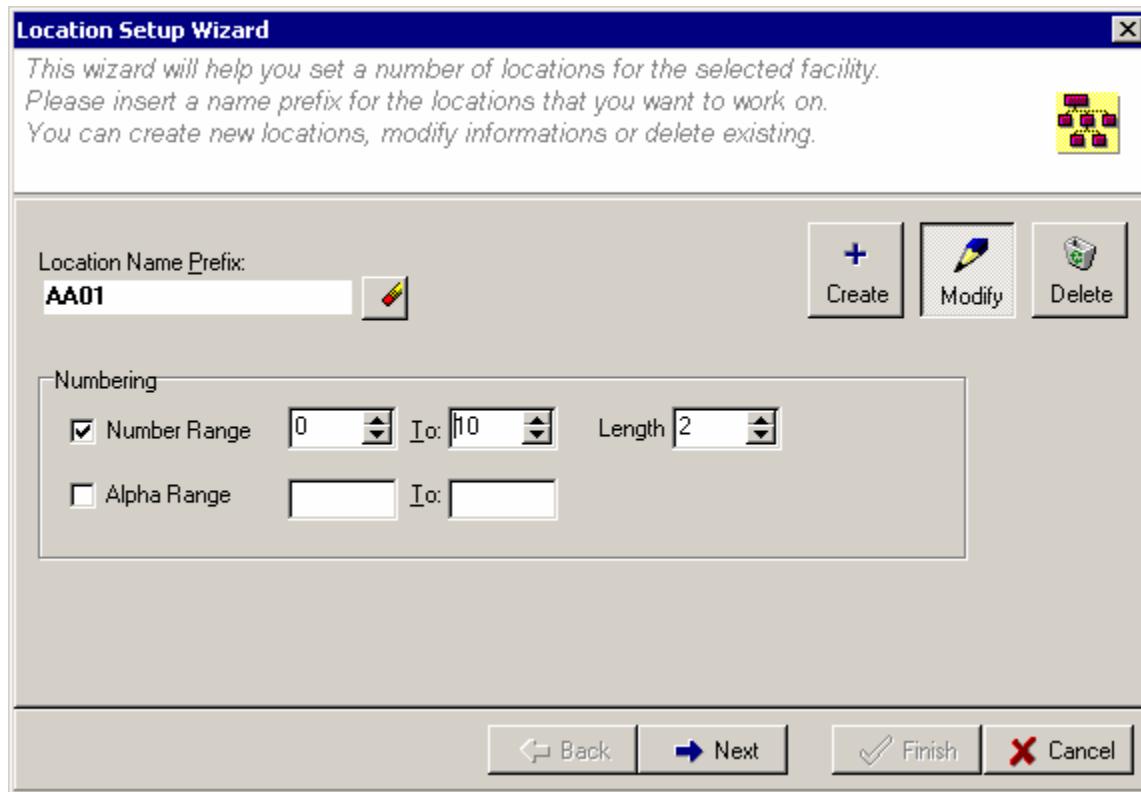


If an attempt is made to create a location that already exists the following messages will appear:



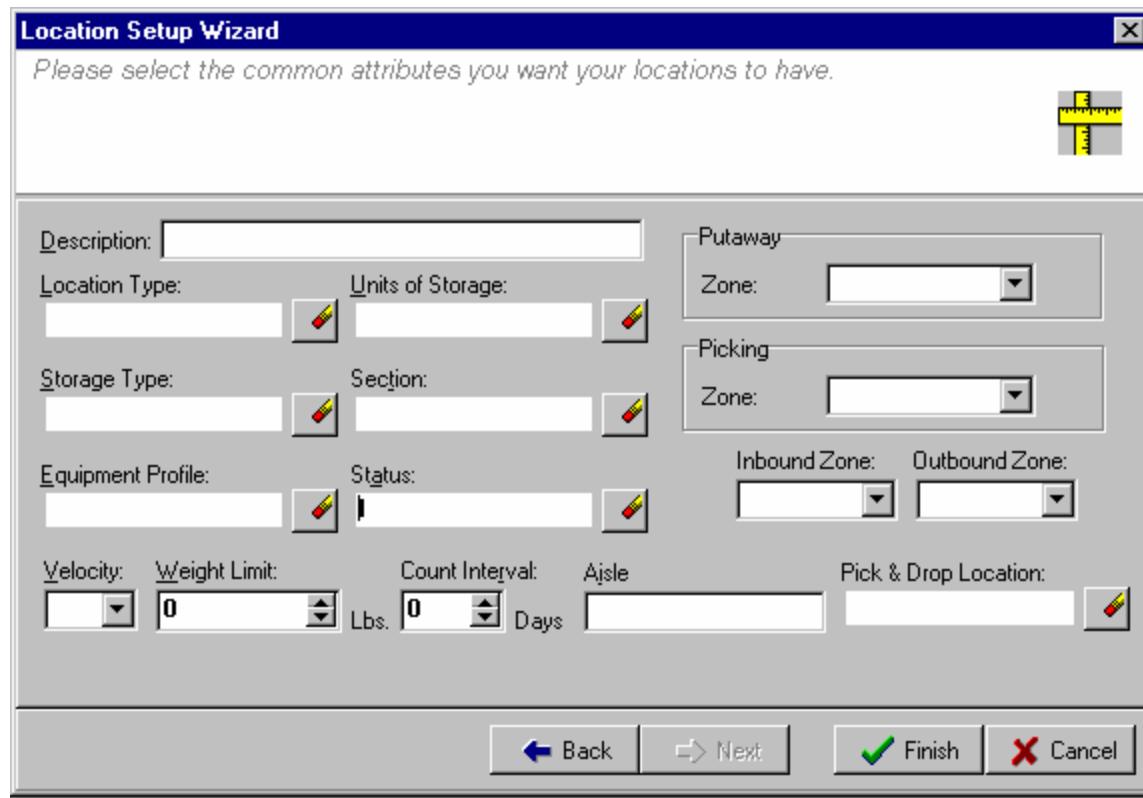
No locations will be added.

## Modifying Locations



The Modify option of the Location wizard allows for the updating of several locations at once. Enter the Location Name Prefix and Numbering of the locations to be updated. Please see the creating locations section of this document for further information on the location parameters.

Once the location parameters have been entered, click on the **Next** button to continue to the Attributes screen.

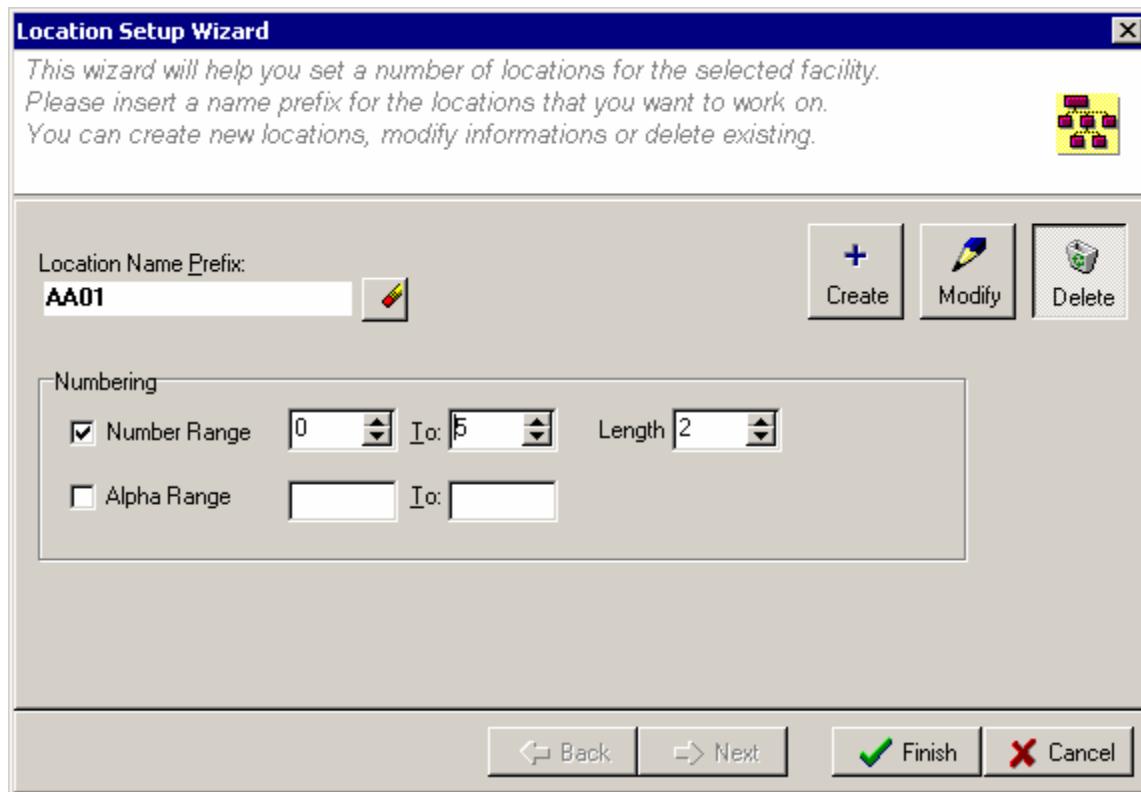


Any of the fields may be entered. Only the entered fields will be updated. In the example above, all of the locations will have their status changed to "I" (in service). Click on the button to update the locations. The following message will appear:



Note: this message will appear even if locations in the range specified do not exist. For example if locations AA0101 ... AA0105 exist and the parameters specify updating AA0101 ... AA0110, AA0101... AA0105 will be updated and the success message will appear.

## Deleting Locations



The Delete option of the Location wizard allows for the deleting of several locations at once. Enter the Location Name Prefix and Numbering of the locations to be deleted. Please see the creating locations section of this document for further information on the location parameters.

Once the location parameters have been entered, click on the **Finish** button to delete the locations. The following message will appear:



Note: this message will appear even if locations in the range specified do not exist. For example if locations AA0101 ... AA0105 exist and the parameters specify deleting AA0101 ... AA0110, AA0101... AA0105 will be deleted and the success message will appear.

## Location Expert

The Location Expert is used to modify individual locations after initial entry. Access the Location Expert via Setup / Facility / Location / Location Expert.

The Location ID or Loc ID is unique for each location within each facility. It is the main way to identify an Existing location.

Location IDs are usually assigned in one of two preferred formats: 1) Aisle/Bay/Level, with 1 or 2 letters or numbers for each part of the ID (e.g., AA0303), or 2) Prefix + Sequence, with an alpha prefix that defines the type of location (e.g., DOOR14).

## Finding a Location

Loc ID	Status	Check ID	Loc Type	Storage Type	Equip Profile	Unit of Storage	Aisle	Section	Mixed Items	Mixed Lots	Mixed UO
1AG020A	I	30	STO	RK	PF	R48	1AG	1AG1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1AG020B	E	49	STO	RK	RK	R50	1AG	1AG1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1AG020C	E	68	STO	RK	RK	R50	1AG	1AG1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1AG020D	E	87	STO	RK	RK	R50	1AG	1AG1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1AG020E	E	10	STO	RK	RK	R98	1AG	1AG1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1AG021A	E	40	PF	RK	PF	R52	1AG	1AG1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1AG021B	E	68	STO	RK	RK	R52	1AG	1AG1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1AG021C	E	96	STO	RK	RK	R52	1AG	1AG1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1AG021D	E	12	STO	RK	RK	R52	1AG	1AG1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1AG021E	E	15	STO	RK	RK	R98	1AG	1AG1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1AG022A	E	50	STO	RK	PF	R48	1AG	1AG1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1AG022B	E	87	STO	RK	RK	R50	1AG	1AG1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1AG022C	E	12	STO	RK	RK	R50	1AG	1AG1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1AG022D	E	45	STO	RK	RK	R50	1AG	1AG1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1AG022E	E	19	STO	RK	RK	R98	1AG	1AG1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1AG023A	E	60	PF	RK	PF	R52	1AG	1AG1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1AG023B	E	10	STO	RK	RK	R52	1AG	1AG1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1AG023C	E	15	STO	RK	RK	R52	1AG	1AG1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1AG023D	E	19	STO	RK	RK	R52	1AG	1AG1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1AG023E	E	24	STO	RK	RK	R98	1AG	1AG1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1AG024A	E	70	STO	RK	PF	R54	1AG	1AG2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

The easiest way to find an existing location is to type its Location ID into the Beginning With field. The entire Location ID is not required just the beginning. This field will limit searching to any location fitting the criteria or lower. To limit the search from the bottom type the beginning of the Location ID that is not wanted in the Ending With field. To execute the search click the Green Checkmark button.

The screenshot shows a search interface with two rows of input fields. The first row contains 'Beginning With:' (4ZC), 'Status' (empty), and 'Storage Type' (empty). The second row contains 'Ending With:' (4ZC003A), 'Location Type' (empty), and 'Equipment Profile' (empty). Below the search area is a toolbar with navigation icons. A blue header bar below the toolbar says 'Drag a column header here to group by that column'. The main area is a table with columns: Loc ID, Status, Check ID, Loc Type, and Storage Type. The data rows are:

Loc ID	Status	Check ID	Loc Type	Storage Type
4ZC001A	E	68	STO	RK
4ZC001B	E	10	STO	RK
4ZC001C	E	13	STO	RK
4ZC001D	O	17	STO	RK
4ZC002A	E	10	STO	RK
4ZC002B	E	16	STO	RK
4ZC002C	E	23	STO	RK
4ZC002D	O	30	STO	RK
4ZC003A	E	13	STO	RK

If the Location ID is unknown or multiple locations are required, any of the relevant fields can be filled in by either typing in the selection or double clicking them, which will pull up a Code Lookup menu.

The screenshot shows a 'Code Lookup' window titled 'EquipmentProfiles Code Lookup'. At the top is a search bar with 'Beginning with:' and a checkmark icon. The main area is a table with columns: Code, Description, and Abbreviation. The data rows are:

Code	Description	Abbreviation
AL	All Equipment	All
B1	Bulk - Sitdown/Pallet Eqmnt Only	Bulk S/P
B2	Bulk - Clamp/Sitdown Eqmnt Only	Bulk C/S
BC	Bulk - Clamp Equipment Only	Bulk Clamp
DK	Dock/Bulk Equipment	Dock/Bulk
HZ	Hazardous Equipment	Hz
PF	Pick Front Rack Equipment	Pk Fr Rk Eq.
RK	Rack Equipment	Rack
SR	Bulk - Sitdown Roll Clamp	Bulk S/R
ZE	ZETHCON TEST	ZETH

Once this is done execute the search by click the Green Checkmark button.

To further refine the search fill out other fields and again click the Green Checkmark. This can be done at anytime.

## Using Column Headers to Modify Search

Loc ID	Status	Check ID	Equip Profile	Loc Type	Storage Type	Unit of Storage
RAMP02	E	02	AL	DOR	NA	NA
RAMP01	E	01	AL	DOR	NA	NA
RAIL07	E	07	AL	DOR	NA	NA

Column Headers can be clicked on at anytime to sort the data in ascending or descending order according to the information in that column. This will be shown with a little triangle pointing up or down in the right of the header. To sort by multiple column selections first select the column which will be the primary sort and then hold the shift key and click on the secondary and so on. To exit or reset this just click on any header with out the shift button.

Loc ID	Status	Check ID	Loc Type	Storage Type	Equip Pr
DOOR01	E	01	DOR	NA	AL
RAIL01	E	01	DOR	NA	AL
RAMP01	E	01	DOR	NA	AL
CD01	E	01	CD	FL	AL
1STG02	F	02	STG	NA	AI

Column headers can also be dropped into the blue area above them for search

The screenshot shows a software interface for managing location types. At the top, there's a toolbar with various icons. Below it is a blue header bar labeled "Loc Type". Underneath is a table with columns: Loc ID, Status, Check ID, Equip Profile, Storage Type, and Unit of Storage. The first row contains a plus sign (+) before "Loc Type : STO". The second row contains a plus sign (+) before "Loc Type : STG". The third row contains a minus sign (-) before "Loc Type : PND". Below the table, there are three more rows of data: PD03, PD02, and PD01, each with status E, check ID 03, 02, and 01 respectively, and storage type AL. At the bottom of the list, there are three more collapsed sections: "Loc Type : PF", "Loc Type : DOR", and "Loc Type : CD".

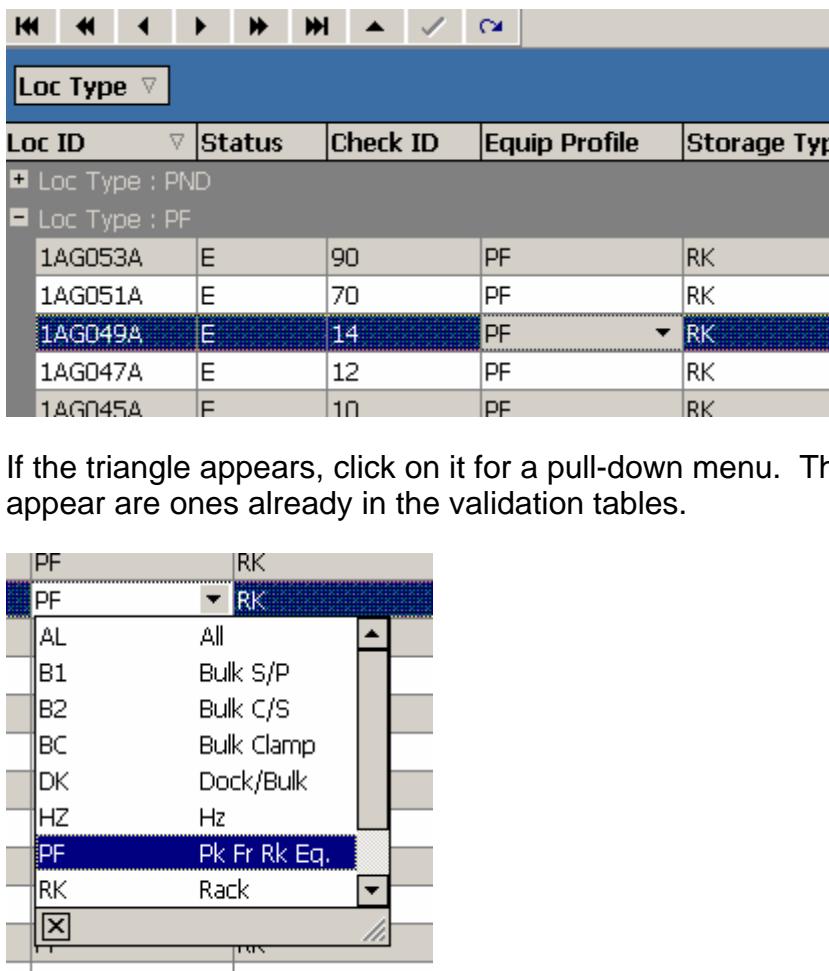
When this is done all values for this field will be displayed with a + or – which expands or contracts a selection. To exit this feature simply drop the header back into place.

## Example Search

The screenshot shows a search interface for locations. At the top, there are search filters for "Beginning With" (Status: E, Storage Type: R48), "Ending With" (Location Type: STO, Equipment Profile: PF), and other fields like Aisle, Putaway Zone, Velocity, Section, and Picking Zone. Below the filters is a toolbar with navigation icons. The main area is a table with columns: Loc ID, Status, Check ID, Loc Type, Storage Type, Equip Profile, Unit of Storage, Aisle, Mixed Items, Mixed Lots, and Mix. The first row contains a minus sign (-) before "Section : 1AG1". The second row contains a plus sign (+) before "Section : 1AG3". The third row contains a plus sign (+) before "Section : 1AG4". The fourth row contains a plus sign (+) before "Section : 1AG5". Below these are four rows of data: 1AG022A, 1AG110A, 1AG172A, 1AG174A, 1AG176A, and 1AG178A, each with status E, check ID 50, 30, 11, 13, 15, and 17 respectively, and storage type RK, equip profile PF, and unit of storage R48. The aisle column shows 1AG for all entries. The last two columns show checked boxes in the "Mixed Items" and "Mixed Lots" columns.

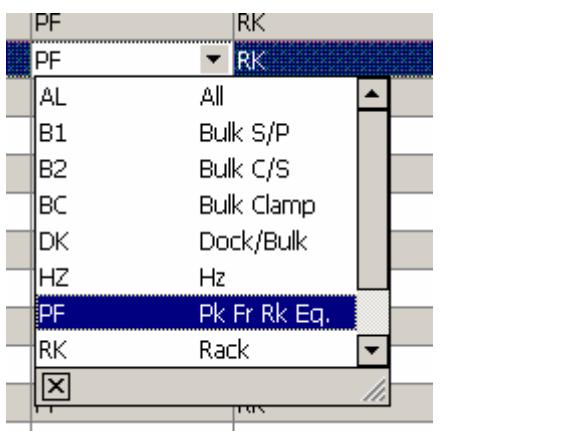
## Modifying Locations Info

To modify a locations information simply click on the data to be modified. The column will either display a little triangle or highlight the data.



Loc ID	Status	Check ID	Equip Profile	Storage Typ
<b>+ Loc Type : PND</b>				
<b>- Loc Type : PF</b>				
1AG053A	E	90	PF	RK
1AG051A	E	70	PF	RK
1AG049A	E	14	PF	RK
1AG047A	E	12	PF	RK
1AG045A	F	10	PF	RK

If the triangle appears, click on it for a pull-down menu. The only options that will appear are ones already in the validation tables.



Loc ID	Status	Check ID	Equip Pro
<b>+ Loc Type : PND</b>			
<b>- Loc Type : PF</b>			
1AG053A	E	90	PF
1AG051A	E	70	PF
1AG049A	E	14	PF
1AG047A	E	12	PF
1AG045A	E	10	PF
1AG043A	E	80	PF
1AG041A	E	60	PF
1AG039A	F	13	PF

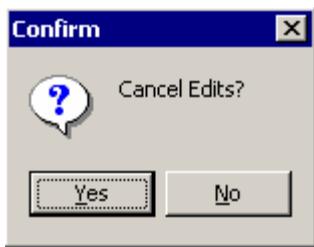
If data is highlighted the simply type the new data into the selection.

## Saving Modification

When data modification is done simply click the Green Checkmark above the Column Headers.



If the modification save is not done properly the window below will pop up when the screen is closed. Click the No button if you want to go back and save. The Yes button will void all changes made after last save.



## Security

"LocationExpertDlg" has been added to the Synapse security list. Security should be added for Security Groups using this option.