

Oracle® Retail In-Store Space Collaboration
User Guide
Release 13.2.3

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Oracle Retail In-Store Space Collaboration, User Guide, Release 13.2.3

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Related Documents

For more information, see the following documents in the Oracle Retail In-Store Space Collaboration Release 13.2.3 documentation set:

- *Oracle Retail In-Store Space Collaboration Release Notes*
- *Oracle Retail In-Store Space Collaboration User Guide*

For more information on Macro Space Management see the following documents in the Oracle Retail Macro Space Management Release 13.2.3 documentation set:

- *Oracle Retail Macro Space Management Administration User Guide*
- *Oracle Retail Macro Space Management Administration Module Online Help*
- *Oracle Retail Macro Space Management Configuration User Guide*
- *Oracle Retail Macro Space Management Configuration Module Online Help*
- *Oracle Retail Macro Space Management Data Importer User Guide*
- *Oracle Retail Macro space Management Data Importer Online Help*
- *Oracle Retail Macro Space Management Fixture Studio User Guide*

- *Oracle Retail Macro Space Management Fixture Studio Online Help*
- *Oracle Retail Macro Space Management Product Studio User Guide*
- *Oracle Retail Macro Space Management Product Studio Online Help*
- *Oracle Retail Macro Space Management Store Planning User Guide*
- *Oracle Retail Macro Space Management Store Planning Online Help*
- *Oracle Retail Macro Space Management Report Designer User Guide*
- *Oracle Retail Macro Space Management Report Designer Online Help*

- *Oracle Retail Macro Space Management Release Notes*
- *Oracle Retail Macro Space Planning Install Guide*
- *Oracle Retail Macro Space Planning License Information*

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<https://support.oracle.com>

When contacting Customer Support, please provide the following:

- Product version and program/module name
- Functional and technical description of the problem (include business impact)
- Detailed step-by-step instructions to re-create
- Exact error message received
- Screen shots of each step you take

Review Patch Documentation

When you install the application for the first time, you install either a base release (for example, 13.2) or a later patch release (for example, 13.2.3). If you are installing the base release and additional patch and bundled hot fix releases, read the documentation for all releases that have occurred since the base release before you begin installation.

Documentation for patch and bundled hot fix releases can contain critical information related to the base release, as well as information about code changes since the base release.

Oracle Retail Documentation on the Oracle Technology Network

Documentation is packaged with each Oracle Retail product release. Oracle Retail product documentation is also available on the following Web site:

http://www.oracle.com/technology/documentation/oracle_retail.html

(Data Model documents are not available through Oracle Technology Network. These documents are packaged with released code, or you can obtain them through My Oracle Support.)

Documentation should be available on this Web site within a month after a product release.

Conventions

Navigate: This is a navigate statement. It tells you how to get to the start of the procedure and ends with a screen shot of the starting point and the statement “the Window Name window opens.”

This is a code sample
It is used to display examples of code

Introduction

Overview of Macro Space Planning

Macro Space Planning consists of two products:

1. Macro Space Management
2. In-Store Space Collaboration

Macro Space Management

Macro Space Management is software primarily intended for centralized planning. It is typically located at head or regional offices and must be operated using a Local Area Network. The application is a complex, integrated program that allows users to carry out highly sophisticated store planning, fixturing and merchandising operations. It also allows them to monitor retail performance using KPI and reports.

The results of all these activities are stored in a database common to both Macro Space Management and In-Store Space Collaboration.

In-Store Space Collaboration

In-Store Space Collaboration is intended for use on tablet or laptop computers - often at stores within a retail chain. It allows Internet based access to store planning, merchandising and performance information held within the central Macro Space Planning database. In-Store Space Collaboration can carry out many (but not all) of the functions of Macro Space Management. These primarily include:

- Adding, editing and deleting fixtures, fitting and gondolas in a drawing.
- Adding, editing and deleting products and planograms in a drawing.
- Using KPIs to look at the effectiveness of the arrangements within the drawing.
- Using notes, dimension and mark-ups to annotate a drawing (often used in surveying stores).
- Ensuring that the actual contents of the store match those specified in the floor plan (compliance).

This information is accessed from the central Macro Space Planning database. After adding, editing and deleting fixtures and merchandise within In-Store Space Collaboration, the results are saved back to the central Macro Space Management database.

Overview of Macro Space Management

Macro Space Management is one of the family of products that make up the Macro Space Planning suite. It is made up of a series of interrelated modules.

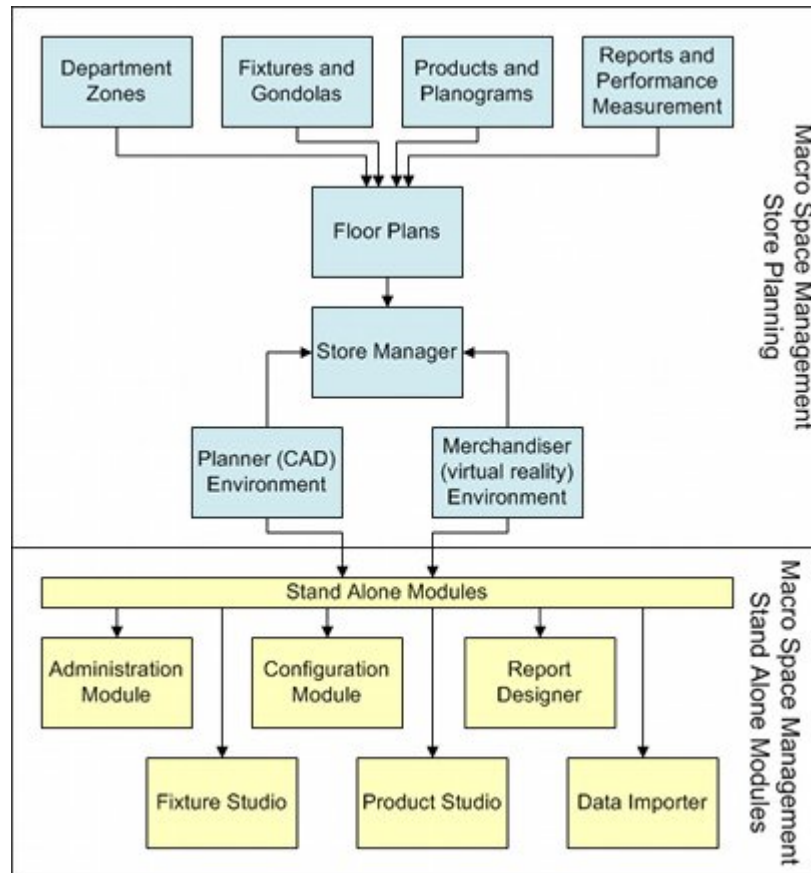
The Planner and Merchandiser modules allow store planning to be carried out in either a CAD or virtual reality environment.

- Store Manager allows floor plans to be administered and controlled.
- The store plans can be sub-divided into zones - areas for particular retail activities.
- The store can be laid out with fixtures and gondolas.
- The equipment can be merchandised with products or planograms.
- The performance of the completed store can be measured.

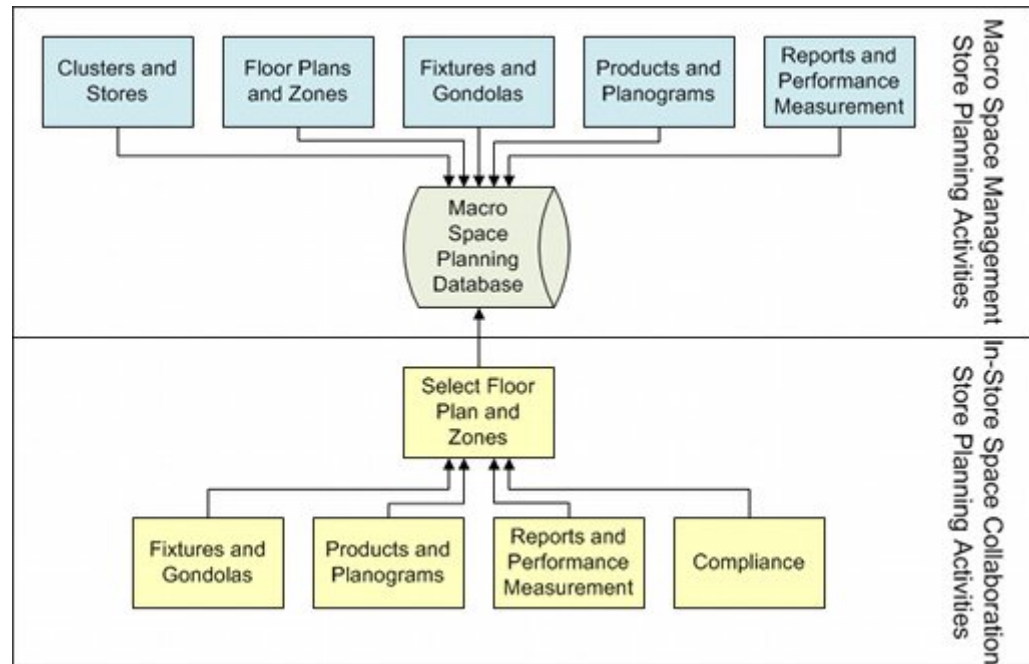
Stand alone modules support the Planner and Merchandiser environments.

- The Administration Module allows the overall operation of Macro Space Management to be configured. It also affects some aspects of In-Store Space Collaboration.
- The Configuration module allows the user to configure how Macro Space Management operates for them individually.
- The Data Import module allows data to be brought in from other databases.
- Fixture Studio allows fixtures and gondolas to be configured.
- Product Studio allows products to be configured.
- Report Designer allows planogram reports to be defined.

The results of all activities within Macro Space Management are stored within a database common to both Macro Space Management and In-Store Space Collaboration.



Specific parts of this database can also be accessed using In-Store Space Collaboration to add fixtures, gondolas, products, and merchandise. You can also view KPI, which gives an immediate visual overview of the performance of the store layout that you working on.



	Macro Space Management	In-Store Space Collaboration
Clusters and Stores	Arrange stores in a hierarchical tree using Store Manager.	Select store from hierarchical tree defined in Store Manager.
Floor Plans and Zones	Define zones (departments) in Admin Module. Place zones (departments) in a floor plan in the Zones Module.	Select required zones (departments) from those placed in the drawing in Macro Space Management.
Fixtures, fittings and gondolas.	Create fixtures, fittings, and gondolas in Fixture Studio. Add, edit and delete in drawing in both the Planner environment and Merchandiser.	Add fixtures, fittings, and gondolas in Fixtures Tab in In-Store Space Collaboration Object Browser.
Products and Planograms	Create products in Product Studio. Create planograms in Merchandiser. Place in drawing in Planner environment or in Merchandiser.	Add products and planograms in Planogram Tab in In-Store Space Collaboration Object Browser.
Key Performance Indicators (KPI) or Reports.	Use KPI or report to view the performance of retail outlet.	Use KPI or report to view the performance of retail outlet.

	Macro Space Management	In-Store Space Collaboration
Compliance	Edit floor plan to bring in line with actual objects in store.	Notes, Planogram Scan, etc used to verify objects physically present in floor plan match those in stored version

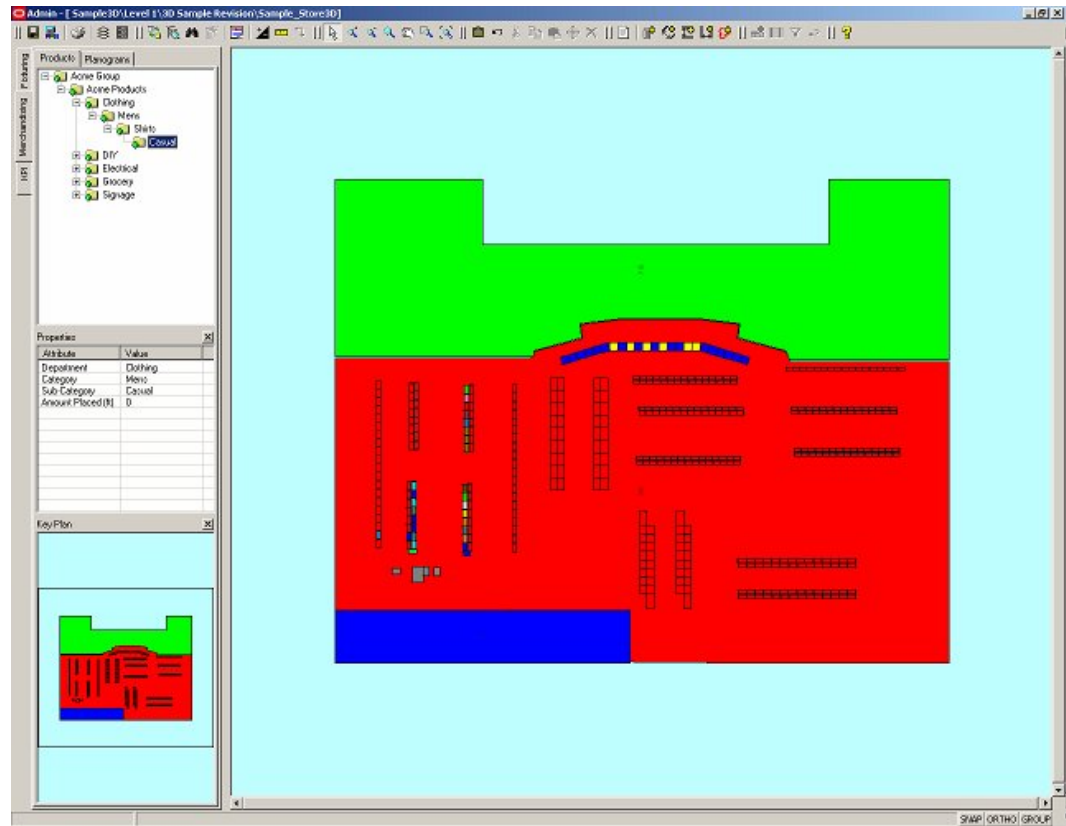
Overview of In-Store Space Collaboration

In-Store Space Collaboration allows Internet based access to store planning, merchandising and performance information held within the central Macro Space Planning database. This combination of Internet based access and the use of small tablet or laptop computers makes the software highly portable, allowing the users to update information on-site in the varying retail outlets within the organization.

In-Store Space Collaboration can carry out many (but not all) of the functions of Macro Space Management. Depending on the user's access rights, these can include:

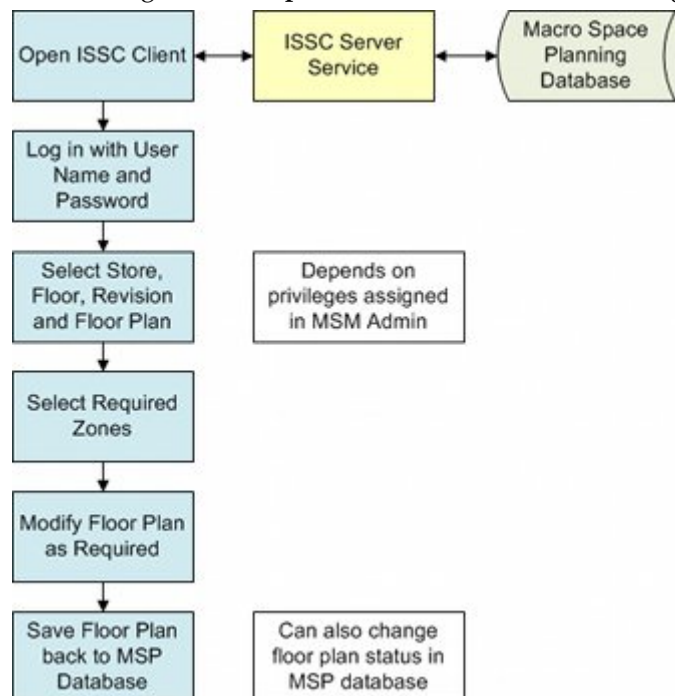
1. Selecting a store plan.
2. Selecting departments within the store plan to display.
3. Viewing, adding, editing and deleting fixtures, fittings and gondolas.
4. Viewing, adding, editing and deleting products and planograms.
5. Using KPI's to look at every aspect of a stores operation including correctness of fixturing and merchandising, turnover and profitability and other performance information.
6. Indicating compliance within a floor plan.

The data is first read from the central Macro Space Planning database. After adding, editing and deleting fixtures and merchandise within In-Store Space Collaboration, the results are saved back to the central Macro Space Planning database.



In-Store Space Collaboration Process Flow

When using **In-Store Space Collaboration**, the following basic flow occurs.



Opening In-Store Space Collaboration Client

Opening the In-Store Space Collaboration client activates the software and establishes a connection with the server service that in turn connects to the Macro Space Planning database.

For this to be effective you must have an internet connection open and the In-Store Space Collaboration server software must be active on the server or your local machine.

Logging in with User Name and Password

Logging in with your User Name and Password tells the software and the server service you are an authorized user.

Selecting the Store, Floor, Revision, and Floor Plan

After logging in, a hierarchical tree containing all the floor plans that you have access to is displayed. You can navigate through the branches of the hierarchical tree until you have selected the floor plan you wish to work on. Access to these drawings is controlled by setting in the Administration module in Macro Space Management.

Opening the drawing automatically locks it to other users, so only the person who has opened the drawing can make changes to it (although it can still be viewed by other users).

Selecting the Required Zones in Floor Plan

When the required floor plan has been selected, another dialog box opens allowing you to specify which zones (departments) you want to be displayed on the screen. Zones (departments) that are not selected will appear as blank areas.

Note: Whether the Select Zones dialog box appears depends on the setting of the SKIP_ZONE_SELECT system variable set in the MSM Admin module.

Altering the drawing as required

You can view the drawing and then add, edit, and delete fixture, fittings, and gondolas. Users can also add, edit, and delete products and planograms.

User can also use the varying performance measurement tools, which show how effective the store layout is.

Saving the drawing to Macro Space Planning Database

Saving the drawing to the central database achieves three things.

- The changes made to the drawing are stored to the Macro Space Planning database
- In some circumstances, the status stored in the Macro Space Planning database changes.
- When the drawing is closed after saving it becomes available to other users to edit again.

Basic Computing Concepts

Server

A Server is a computer system that provides services to other computer systems (called clients) over a network.

A server typically provides two basic types of service:

- It acts as a communications hub, allowing other computers to communicate with it and each other.
- It acts as a link to the common files that are used by a range of users over the network.

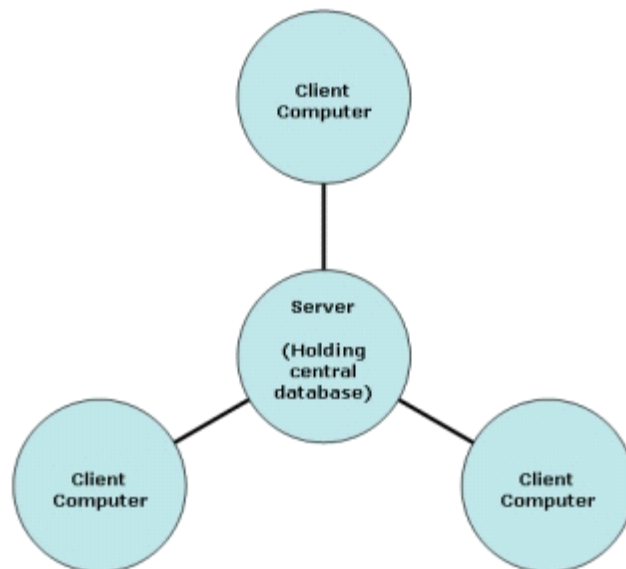
In In-Store Space Collaboration, the server links the user to the central Macro Space Planning database that holds all the information on the stores, floor plan, fixtures, merchandise, and KPI.

Client

A Client is a computer that accesses another remote computer, typically a server, over a network. The client computer can then work on the data it has obtained from the server. It can save the modified data back to the server.

Network

A computer network is a series of computers linked together by communication link.



There are various types of networks. In-Store Space Collaboration uses a client-server type where servers contain the central database. Clients communicate with the server to get information, process it then save it back to the central database. The most common method of communication between client and server is by using Internet connection.

Software

Software is the generic term for a computer program. Both Macro Space Management and In-Store Space Collaboration are software. (They are also sometimes called applications)

They contain a series of instructions which are executed by the computer to carry out specific tasks. These tasks often involve manipulation of the information stored in the central Macro Space Management database.

Software is used in conjunction with the database; the database holds the information, the software is the method by which it is manipulated.

Database

A Database is a collection of information that has been organized in a highly structured manner. Data may be stored, retrieved, modified, and deleted in such a way that the integrity of the data is always maintained.

A database typically consists of a series of tables, each table containing a specific class of data. Within each table are records, each record consisting of one or more fields. Fields are the basic unit of data storage and generally are of a specific type such as text, numerical, Boolean, etc.

When any data is added, edited, or deleted, the software first opens the appropriate table then makes changes to the appropriate records and fields. The database is then saved, ensuring that the latest version of the information is retained.

Safeguards are in place to ensure that only one person can change a particular part of the database at any one time. Information contained in the database can be used in two broad ways:

- Software - when a user is carrying out operations such as adding, editing, and deleting fixtures.
- Drawings, reports, and KPI - when the user is seeking to collate and analyze information held in the database.

Note: The database is used in conjunction with the software; the database holds the information, the software is the method by which it is manipulated.

User Names, Passwords, and Privileges

User Names are used to identify a specific user. They can be a combination of letters and numbers: JohnSmith and Sarah23 are valid User Names.

Passwords are information used to verify the credentials of a user when logging in. They are normally a combination of letters and numbers. To preserve confidentiality, passwords appear as asterisks when typed in. Typing in a password such as JimsHere will appear as ***** on the screen.

When a valid User Name and Password have been typed in the user will be logged in. When logged in, Privileges determine which part of the program the user can access. Different users have different privileges.

Checking in and Checking Out

The Macro Space Planning database holds many files. It is important that only one person can make changes to a specific file at a given time. If more than one person makes changes to a file, the data will rapidly become confused and corrupted. This is overcome by Checking Out and Checking In files.

When an In-Store Space Collaboration file is opened, it is automatically registered as Checked Out. After a file is checked out, only the user it is checked out to can alter the files. Other users can view the file in Read Only mode, but they cannot make any changes. Checked In files are files that have been closed (and normally saved) by their current user. Checked In files can be opened and altered by any other In-Store Space Collaboration user.

Checking Out and Checking In are normally automatic, but some files may have to be manually checked in if there has been a system failure. Manual check in can only be done using Store Manager in Macro Space Management. You cannot manually check in files in In-Store Space Collaboration.

Read Only Files

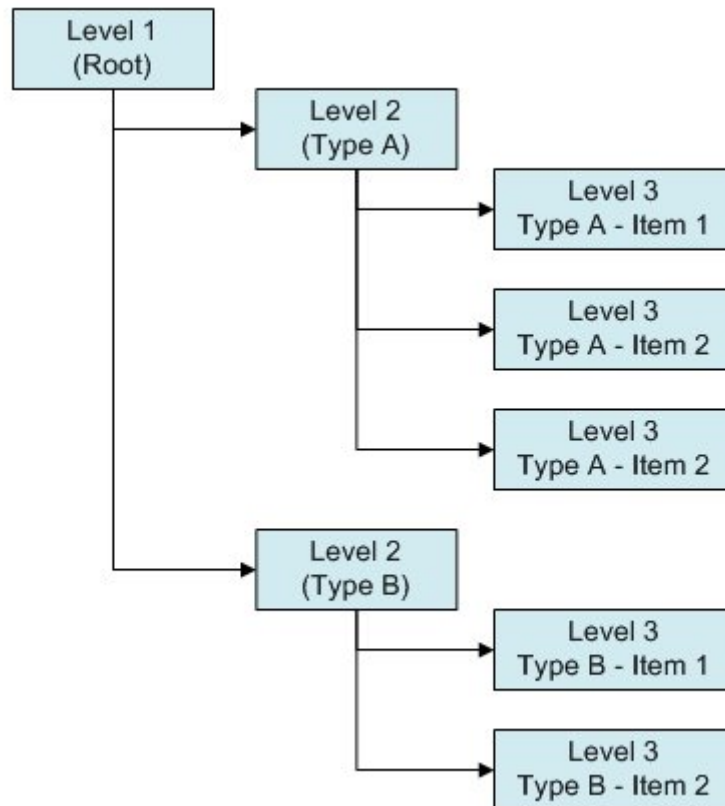
Read Only Files are files the user has permission to view but not to change.

Within In-Store Space Collaboration, a file is opened as Read Only when it has been set to Read Only status by Macro Space Management. An example would be files of Historical status.

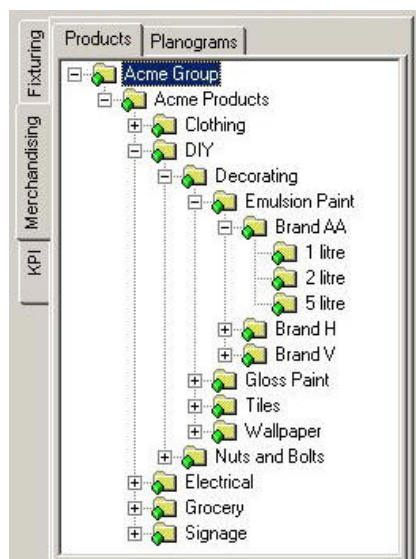
Basic In-Store Space Collaboration Concepts

Hierarchical Tree

A **hierarchical tree** (so called because it resembles a tree) is a way of organizing objects in a logical pattern.



The top level of the hierarchy (often called the root) is essentially the start point. The tree then splits out into more levels.

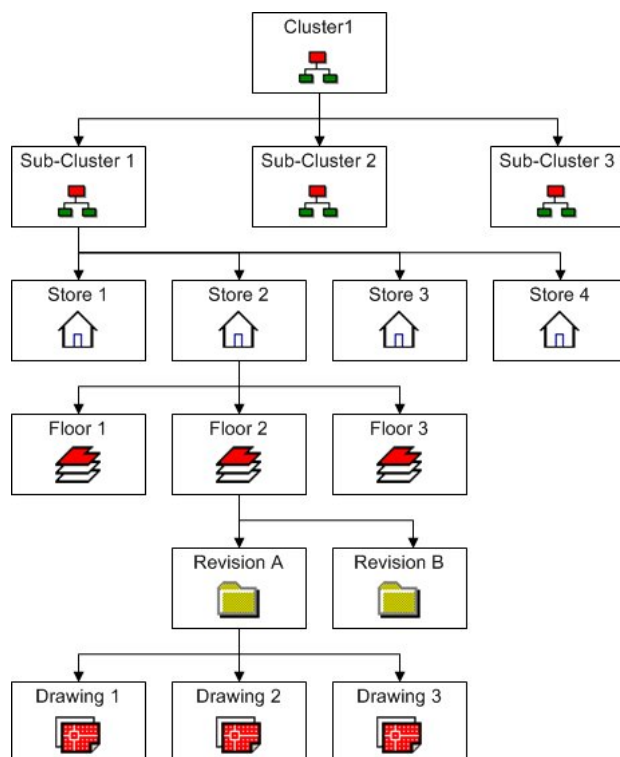


Working down through the levels of the tree enables you to find a specified item from a large list of potential objects.

Macro Space Management and In-Store Space Collaboration make considerable use of hierarchical trees.

Clusters, Stores, and Floors

Clusters, sub-clusters, stores, floors, revisions, and drawings are all forms of information used in In-Store Space Collaboration. They are organized in a hierarchical tree. (This tree can only be modified in Macro Space Management).

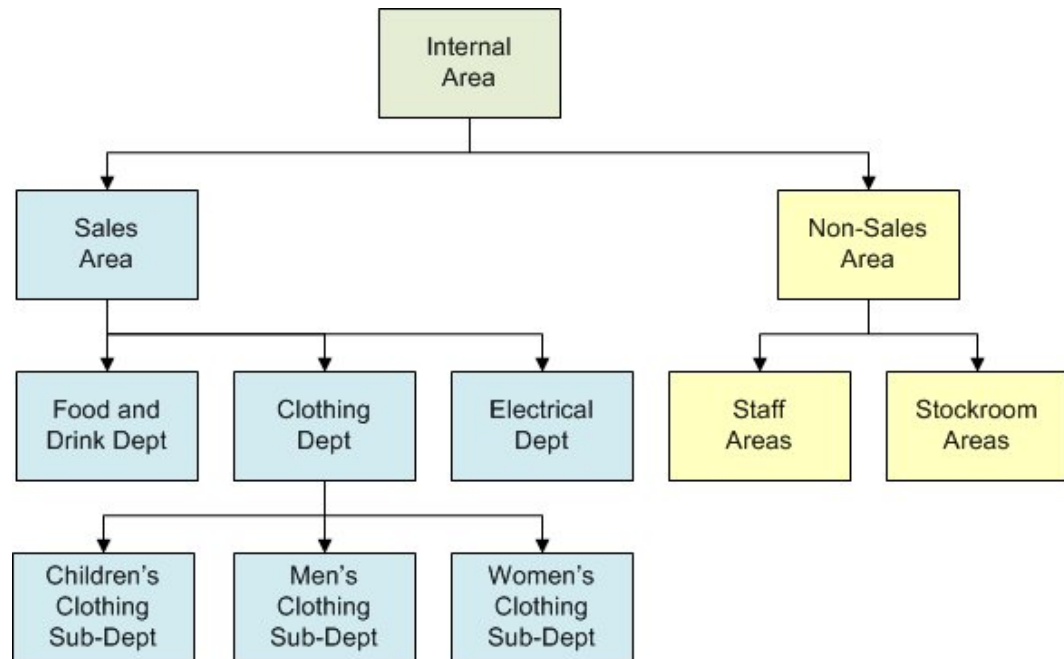


Field	Description	Example
Cluster	A Cluster is a group of stores sharing a particular characteristic.	For example, one cluster might contain all the stores in England, another cluster all the stores in Sweden.
Sub-cluster	A Sub-cluster is a subdivision of a cluster containing stores that share a common but more precisely specified characteristic.	For example, the England cluster might contain sub-clusters called Southern Region, Central Region, and Northern Region.
Store	A Store is a retail outlet. Although stores occasionally appear directly in the hierarchy, they are normally assigned to clusters or sub clusters.	For example, the London store could be assigned to the Southern Region sub-cluster, while the Birmingham store could be assigned to the Central Region sub-cluster.
Floor	A Floor is a physical level in a store.	A store can contain any number of floors. For example, a store might have a Ground, First, and Second floor.
Revisions	Each floor can contain a number of Revisions.	Each revision is a potential arrangement of fixtures and merchandise. For example, a floor might have Spring, Summer, Autumn, and Winter revisions. Only one revision will actually be in use at any one time.
Drawings	Each revision can contain a number of Drawings.	Each of these drawings can contain a potential arrangement of fixtures and merchandise.

Note: Stores can be assigned to multiple clusters. For example, the London store could be assigned to both the England cluster and the Central Region sub-cluster. This ability to assign stores to more than one cluster is only used within Macro Space Management, but it will be reflected in the hierarchical structure visible in In-Store Space Collaboration. This form of hierarchical tree can be seen when the In-Store Space Collaboration user selects a drawing.

Zones and Departments

Zones (Departments) are a way of sub-dividing a floor plan. They're often in the form of a hierarchical tree. Zones are configured in Macro Space Management's Administration module. They are placed in Macro Space Management's Planner module.



Note: The words Zone and Department are often used interchangeably and mean the same thing.

Internal Areas

Many floor plans are drawn using the architectural plan as a template. The maximum area that can be used for retailing purposes can be set in Macro Space Management. This basic area is called the Internal Area.

Sales and Non-Sales areas

Internal Areas are often subdivided into two broad classes of zone. Sales Areas are areas containing merchandise for sale; for example, Clothing and Electrical departments.

Non-Sales areas are areas essential to the functioning of the store, but which are not directly used for sales; for Example, Staff Areas (canteens, offices, etc) and stockrooms.

Departments and Zones

Sales and Non-Sales areas can be further subdivided using Departments and Sub Departments; for example, the Sales area might contain Food and Drink, Clothing and Electrical departments.

The Clothing department could be further divided into Children's, Men's Wear and Women's wear sub-departments.

Each level of division divides the floor areas into smaller and smaller areas of ever more specific use.

Note: You cannot open a floor plan in In-Store Space Collaboration unless it has departmental type zones in it.

Revisions, Drawings, and Status

Status is a method used to define where an object is in the business cycle. Some ways of saving In-Store Space Collaboration floor plans change the status of that floor plan within the Macro Space planning

Stores, floors, revisions, and floor plans can all have statuses. These describe the condition of use of that object and often reflect their progress through the business cycle. Status is customizable, but typical status's included:

Object	Potential statuses
Store	Proposed → Open → Closed
Floor	Proposed → Open → Closed
Revision	Proposed → Authorized → Current → Historical
Floor plan	Proposed → Ready for ISSC → Authorized → Published → Current → Historical

For example:

- A recently created floor plan might start with Proposed status.
- After review by a manager in Macro Space Management, it might be set to 'Ready for ISSC' status to make it visible in In-Store Space collaboration.
- On clicking 'Accept' on saving the drawing in In-Store Space Collaboration it might be set to Authorized status.
- At a specific date the floor plan might be set to Published status so preparations could start to put in into service.
- At a specific date the drawing would be implemented and would be Current.
- When the drawing is eventually superseded by another arrangement of fixtures and merchandise it will be retired from use and given Historical status.

Fixtures and Fittings

Fixtures and fittings are individual items of store equipment.

- A Fixture is an item of store equipment that can hold merchandise.
- A Fitting is an item of store equipment that cannot hold merchandise.

Examples of Fixtures	Examples of Fittings
Chilled Goods Cabinet	Checkout
Frozen Goods Cabinet	Mirrors for fitting rooms
Clothing Rail	Tables and chairs for café.
Shelving for canned goods	Racking for advertising material.

Gondolas

A Gondola is a collection of fixtures and fittings assembled into a specified arrangement.

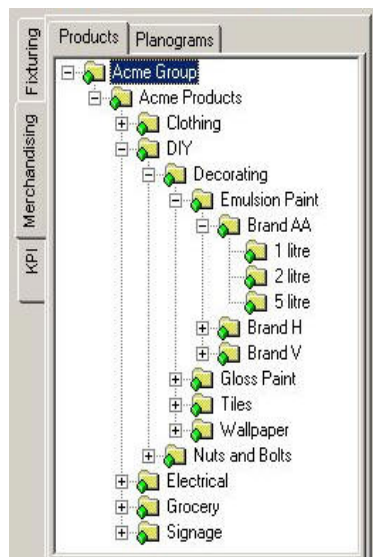
Shelves

Shelves are store equipments on which products can be placed. Shelves must always have a parent fixture.

Products

Products are individual classes of merchandise. Examples of products include sparkling water, bananas and baby wipes.

Products are arranged in a hierarchy – the closer to the root, the broader the class. For example, one group of products might be called DIY. This group could then be further sub-divided at the next level down into Decorating, Nuts and Bolts, etc. The Decorating accessories product group can then be sub-divided once more into emulsion, gloss paint, etc.



The product hierarchy in In-store Space Collaboration is only sub-set of the full hierarchy, only extending down to sub-class (sub-category) level.

Planograms

Planograms are specific arrangements of combinations of products that are designed to go on single or multiple fixtures.

Planograms can also contain a specific arrangement of shelves for optimum display of products.

For example a Soup planogram might contain specific quantities of chicken and vegetable, beef and vegetable, spring vegetable, potato and leek, bacon and lentil, clam chowder and tuna and sweet corn soups.

These will be arranged on a specific shelving layout.

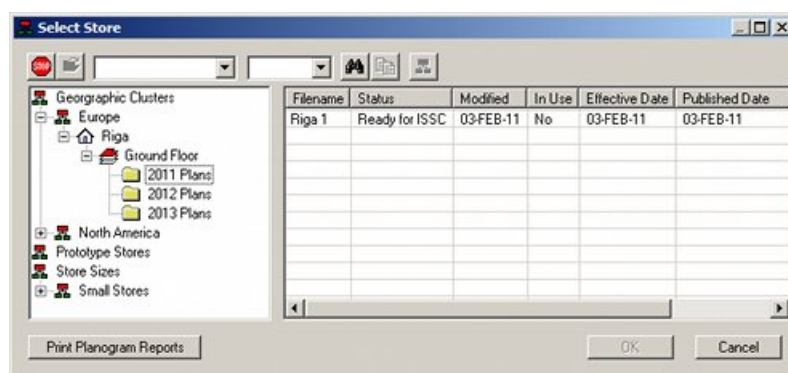
Getting Started

Access Rights and Privileges

In-Store Space Collaboration Privileges

Access rights to In-Store Space Collaboration are set in the Administration Module of Macro Space Management. Users are assigned to User Groups. These user groups are then granted access to specific stores. Access to drawings in In-Store Space Collaboration is determined by the status of the drawing within the store: users can only access drawings when they reach specified statuses within Macro Space Management.

When logging into In-Store Space collaboration, users can only see the stores they have been assigned access to.



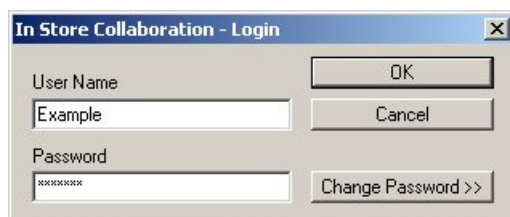
Logging in to In-Store Space Collaboration

When In-Store Space Collaboration Client is started a log in dialog box will appear. The user will be asked for a User Name and a Password. The User Name identifies the individual and specifies the privileges (access rights) they have. The Password, which should be kept secret, confirms the identity of the individual logging in.

Note: User Names and Passwords are assigned in the Administration Module of Macro Space Management.

To login to In-Store Space Collaboration:

1. Click In-Store Space Collaboration Client on the desktop. The In-Store Space Collaboration - Login window opens.



2. Enter your user name and password.

Assigning and Changing Passwords

Passwords are initially assigned in the Administration Module of Macro Space Management when a new user is given access rights by an Administrator.

This password can be changed by the user at any time during login by clicking on the Change Password button. This will bring up an additional dialog that will allow the user to select a new password.

Note: Passwords cannot be changed unless a currently valid User Name and Password are also entered.

In Store Collaboration - Login

User Name

Password

New Password

Confirm New Password

OK Cancel

Change Password <<

Depending on settings within the Administration Module within Macro Space Management, users may also be forced to change passwords at preset intervals.

Logging In

Selecting the Store Data

The Select Store window opens after the User Name and Password have been entered. To view a particular store, you must first select a store and then select the data within the store.

Select Store

Geographic Clusters

- Europe
 - Riga
 - Ground Floor
 - 2011 Plans
 - 2012 Plans
 - 2013 Plans
- North America

Prototype Stores

Store Sizes

Small Stores

Filename	Status	Modified	In Use	Effective Date	Published Date
Riga 1	Ready for ISSC	03-FEB-11	No	03-FEB-11	03-FEB-11

Print Planogram Reports

OK Cancel

The following icons represent the type of object within the hierarchy.

Field	Description
	Cluster or sub-cluster
	Store
	Floor
	Revision

The information visible in the hierarchy will depend on two factors the access rights granted to the individual user. Only stores for which the user has viewing permission will be displayed, and only floor plans within those stores the user has permission to view will be visible.

Any drawing can then be selected for editing. If necessary the search fields can be used.

To search by Store Name:

1. On the **Select Store** window, type the Store name.
2. Click **Search**.

It is possible to use wild cards. For example *ham will return store names such as Birmingham or Nottingham. *ham* would return names such as Northampton or Southampton. If there are multiple results to the search, clicking on the search icon will cycle between the possibilities.

To search by Store Number:

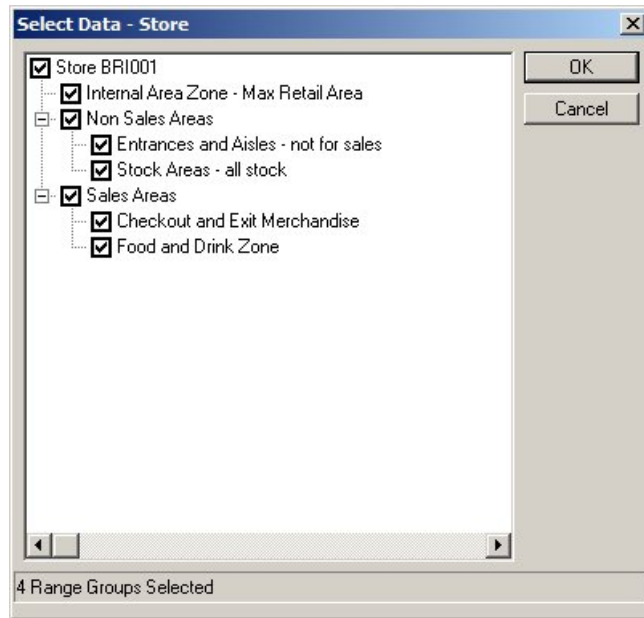
1. On the **Select Store** window, enter the required store number.
2. Click **Search**.

Wildcards are not permitted while searching by store number. Continue down the hierarchical tree until the required drawing has been selected. After the drawing has been selected, click **OK**. The data selection dialog box opens.

Note: Click + to expand, and - to collapse the hierarchy.

To select the store data:

1. After logging into the In-Store Space Collaboration Client, select the store plan from the Select Store window.
2. Click **OK**. The Select Data - Store window opens.



3. This dialog box allows users to select which of the zones in the drawing they wish to work in. Select the data to be displayed in the floor plan.
4. Click OK. The selected drawing opens in In-Store Space Collaboration.

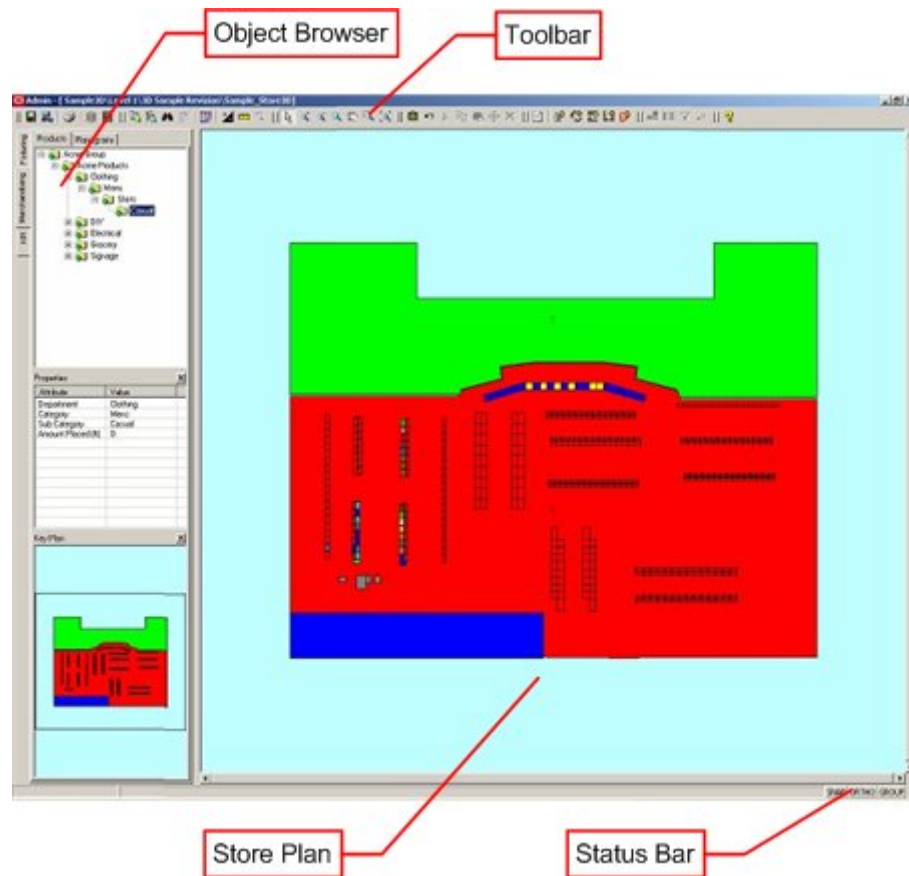
Note: The status of the drawing is indicated in brackets after the drawing. Only drawings that are checked in (i.e. not in use by another person) can be opened.

After the drawing is selected and opened, the drawing will be unavailable to other users as the drawing is automatically checked out.

To close the application, click **Close** or **Cancel**.

The In-Store Space Collaboration Window

The In-Store Space Collaboration window gives access to every component the user has permission to use.



The Toolbar

Located at the top of the window, the toolbar gives access to a wide range of In-Store Space Collaboration functions. (Different users may have access to slightly different options on the toolbar - this depends on the settings for the parent User Group in Macro Space Manager).

The Object Browser

You can switch between Fixturing, Merchandising, and Performance Measuring options using the Object Browser. Windows within the Object Browser give further information on the objects currently selected.

The Store Plan

The Store Plan is a plan view of a selected floor within a store. Depending on the selections made you can:

- View, add, edit, and delete fixtures, fittings, and gondolas.
- View, add, edit, and delete products and planograms.
- Use scanning or manual entries to update information on which planograms are physically present in a store.
- View KPI's.

The Status Bar

The Status Bar is located at the bottom of the window. It serves two purposes:

- It allows the options such as Snap, Ortho, and Group to be toggled On and Off.

- It gives information on the objects selected and the next action required to manipulate them.

The Toolbar

Located at the top of the window, the toolbar gives access to a wide range of In-Store Space Collaboration functions. (Different users may have access to slightly different options on the toolbar - this depends on the settings for the parent User Group in Macro Space Manager).



A slightly different toolbar is displayed depending on whether Fixturing, Merchandising, or KPI have been selected on the Object Browser. The Fixture tab under Fixturing is the default tab selected.

Each icon along the top represents a potential action that can be carried out. Not all actions will be possible at any one time. Those that are not possible will have the icons grayed out. Icons that are active (can be used) are colored.

The Toolbar

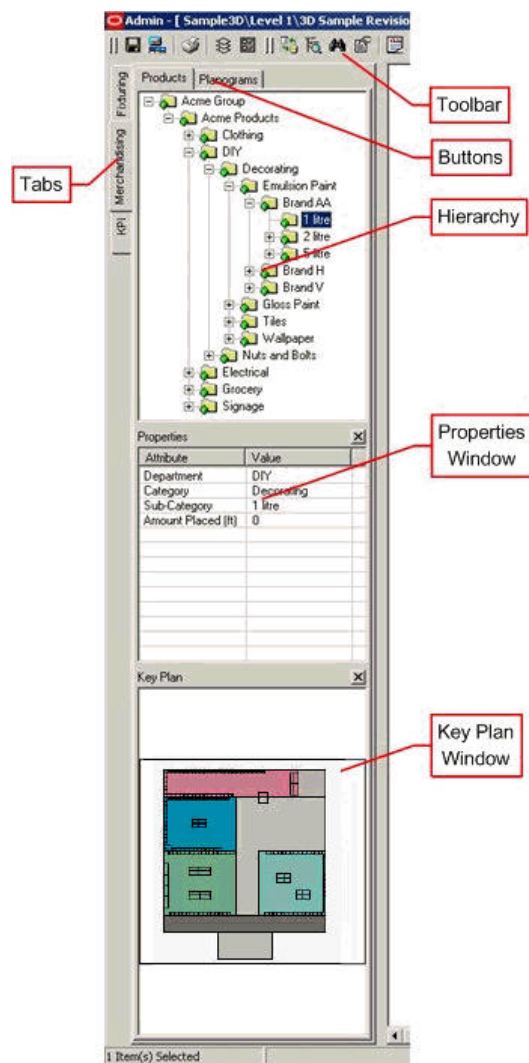
Field	Description
	Refresh
	Find in Hierarchy
	Find
	Properties
	Reports
	Compare Drawings
	Measure
	Offset
	Select
	Zoom In
	Zoom Out
	Zoom Tool
	Pan
	Zoom Window
	Zoom to Extents
	Clipboard
	Undo
	Cut
	Copy

Field	Description
	Paste
	Move
	Delete
	Notes
	Add Notes
	Add Dimension
	Add Vertical Dimension
	Add Horizontal Dimension
	Add Markup
	Add Product
	POG (Planogram) Scan
	Filter Planogram
	Reverse Planogram
	Help
	Save
	Calculate Fixture Adjacency
	Print
	Front View
	Schematic Preview
	Layers

Field	Description
	Options

The Object Browser

You can switch between Fixturing, Merchandising, and Performance Measuring options using the Object Browser. Windows within the Object Browser give further information on the objects currently selected.



You can switch between tabs by using the Fixturing, Merchandising, and KPI tabs to the upper left. Switching between options also changes the toolbars that are visible – for example, the fixturing toolbar is different from the KPI toolbar.

For both the Fixturing and Merchandising Tabs, two more tabs are available on the top of the object browser. These allow the user to switch between fixtures and gondolas in Fixturing, and products and planograms in Merchandising. Windows within the object browser typically gives you access to more information.

A hierarchical view gives users access to the available fixtures, gondolas, products, planograms and KPI. The properties of the selected object can be seen in the Properties Window. The Key Plan Window will show users where they are in the Store Plan.

The Store Plan

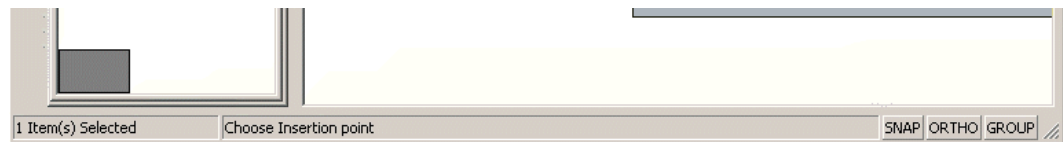
The Store Plan is a plan view of a selected floor within a store. Depending on the selections made the user can:

- View, add, edit, and delete fixtures, fittings, and gondolas.
- View, add, edit, and delete products and planograms.
- Use scanning or manual entries to update information on which planograms are physically present in a store.
- View KPI.

The Status Bar

The Status Bar is located at the bottom of the window. It serves two purposes:

- It allows the options such as Snap, Ortho, and Group to be toggled On and/or Off.
- It gives information on the objects selected and the next action required to manipulate them.



Administrative Functions

Software Requirements

Before In-Store Space Collaboration can be used on your computer, the following must have been carried out:

- In-Store Space Collaboration Server must be installed and configured on your computer or the server machine and have a connection to the central Macro Space Planning database. This will allow In-Store Space Collaboration to communicate with the database.
- In-Store Space Collaboration Client must be installed and configured on your computer. This will allow you to take data from the central Macro Space Management database, manipulate it, and send the updated data back to the central database.

Note: Please refer to the Installation Guide for information on how to configure the client and server.

System Variables

System Variables are settings held within the Macro Space Planning database that affect how In-Store Space Collaboration looks and operates. They are using the System Variables dialog box in the Macro Space Management Administration Module.

In-Store Space Collaboration users cannot access these settings - they must be configured by a user with access rights to the Macro Space Management Administration module.

Note: for a full description of system variables affecting In-Store Space Collaboration, see the *Oracle Retail Macro Space Management Administration User Guide*.

Setting up Access to ISSC

Overview of Access Privileges in In-Store Space Collaboration

A user's **Access Privileges** in In-Store Space Collaboration are determined by settings in the Administration module in Macro Space Planning and direct in the database.

1. Accessing In-Store Space Collaboration

Any member of a valid user group configured in the Administration Module can log into In-store Space Collaboration. However, any privileges beyond this point need to be specifically configured.

2. Access to the In-Store Space Collaboration Toolbar

For each user group, access to the ISSC toolbar is dependent on data held within the AVTTB_MESSAGE_USER_GROUP_LINK table in the Macro Space Planning database. This information can currently only be configured directly in the database by a Database Administrator.

Note: See the *Oracle Retail Macro Space Planning Data Model* for more information

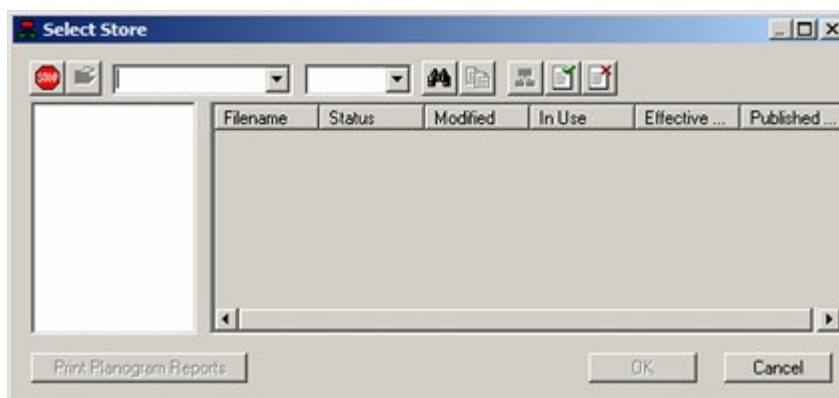
3. Access to Stores

Which stores a user can access is determined by the user group they are assigned to. This user group is assigned permission to access stores in the Stores tab of the Data Security dialog box accessed from the Administration Module in Macro Space Planning. Stores that user groups have not been granted permission to access will be invisible to that user group in In-store Space Collaboration.

4. Access to Floor Plans of a Specific Status

Which floor plans a user can access is also determined by the user group they are assigned to. This user group is assigned permission to access floor plans of a specific status in the Status tab of the Data Security dialog box accessed from the Administration Module in Macro Space Planning. Floor Plans at statuses that user groups have not been granted permission to access will be invisible to that user group in In-store Space Collaboration.

Note: If a user with access to Macro Space Planning uses that access to log into In-Store Space Collaboration, they will probably end up at a blank Select Store dialog box, without the ability to progress further.



5. Cumulative Effect of Permissions

The permissions for Stores and File Statuses are cumulative. Users belonging to a User Group with rights for a specific store might have permission to access that store, but they will not be able to open any files (floor plans) unless files of that status exist within the store.

Giving access to the ISSC Toolbar

When In-store Space Collaboration is first installed, only members of the Admin User Group have access to the ISSC Toolbar. In order to give other user groups access to the toolbar, changes are required to the AVTTB_MESSAGE_USER_GROUP_LINK table. This can currently only be done directly in the database. If these changes are not made, the toolbar icons will remain grayed out and unavailable for a specific user group.

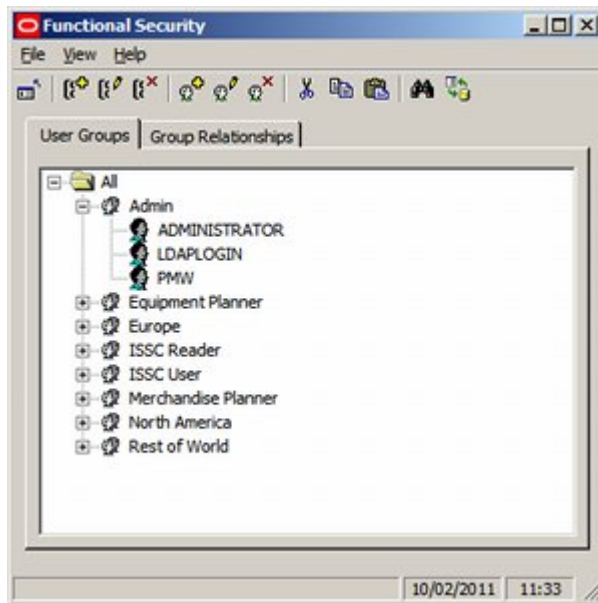
Note: See the *Oracle Retail Macro Space Planning Data Model* for more information



Note: It is possible to grant limited access to the toolbar. For example, an ISSC user group responsible only for equipment could be given access to the fixturing and gondola options, but not access to the product and planogram options.

Setting up User Groups

User Groups are set up in the Functional Security dialog box in Macro Space Management's Admin Module. Each user group can be assigned different privileges depending on the role of that user group.

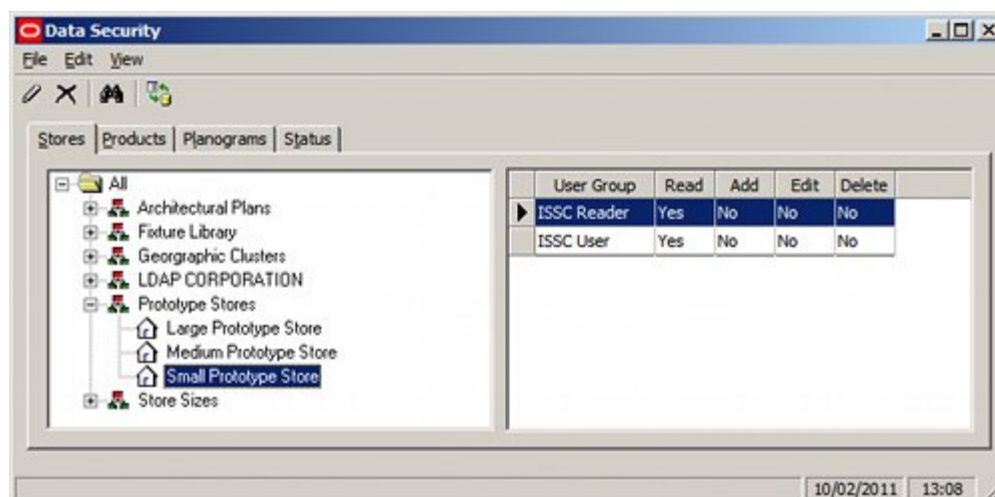


Creating a User Group and assigning a user to it allows the user to log into In-Store Space collaboration, but allows no other privileges.

Note: for a full description of how to use this functionality, see the *Oracle Retail Macro Space Management Administration User Guide*.

Setting up Access to Stores

Assess to stores is set up in the Stores Tab of the Data Security dialog box in Macro Space Management's Admin Module. Each User Group assigned access to the store will be able to open that store in In-store Space collaboration.

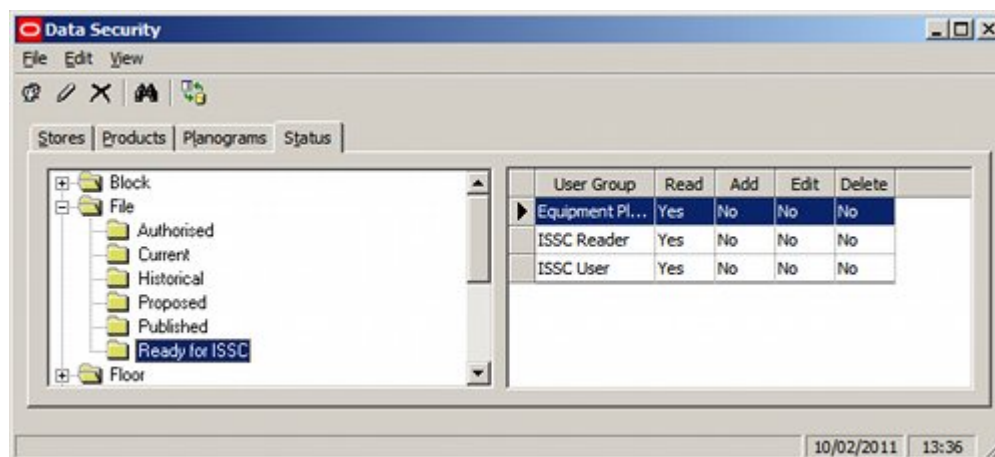


User Groups can be given permission to access a specific store by highlighting that store and bringing up the right click menu. Selecting Add User Group brings up another dialog box, allowing Administrators to select what User Groups can access that specific store.

Note: For a full description of how to use this functionality, see the *Macro Space Management Administration User Guide*.

Setting up Access to File Statuses

Assess to file (floor plan) statuses is set up in the Status Tab of the Data Security dialog box in Macro Space Management's Admin Module. Each User Group assigned access to the store will be able to open floor plans of that status in In-store Space collaboration.



User Groups can be given permission to access a specific status by highlighting that status and selecting Add User Group from the Edit menu. This allows Administrators to select what User Groups can access floor plans which specific status.

Note: For a full description of how to use this functionality, see the *Macro Space Management Administration User Guide*.

Using In-Store Space Collaboration

General Options

Keyboard Shortcuts

The following keyboard shortcuts can be used.

Shortcut	Description
<Ctrl + S>	Save.
<Ctrl + P>	Print.
<Ctrl + F>	Display the Find dialog box.
<Ctrl + L>	Display the Layers dialog box.
<Ctrl + O>	Display the Options dialog box.
<Ctrl + > >	Zoom In.
<Ctrl + < <	Zoom Out.
<Ctrl + E>	- Zoom to Extents of the drawing. - Zoom to Extents of any selected fixtures.
<Ctrl + W>	Zoom Window.
	If in fixturing tab, delete currently selected fixtures or gondolas.
<the Esc key>	Clear the current selection.
Cursor Keys	- Pan Left, Right, Up, and Down. - Nudge if fixtures/fittings are selected.

Mouse Shortcuts

The following mouse shortcuts can be carried out using the keys and wheel.

Shortcut	Description
Mouse Click	Select/De-select Fixtures
Mouse Wheel Up	Zoom In (relative to mouse pointer position)
Mouse Wheel Down	Zoom Out (relative to mouse pointer position)

Shortcut	Description
Mouse Wheel Drag	Pan

Different mouse icons will be displayed, depending on the current command that is active:

Shortcut	Description
	Selection
	Pick Point
	Rotate
	Pan
	Zoom In
	Zoom Out
	Zoom Window

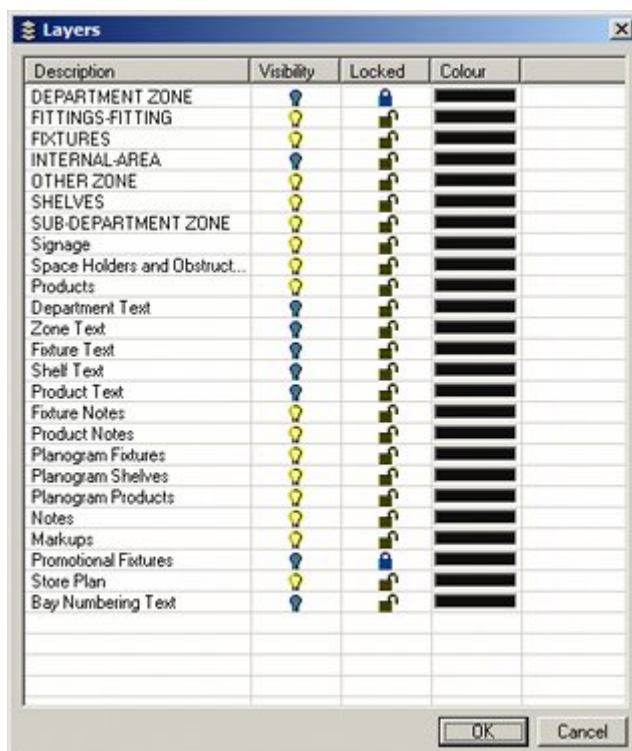
Annotation

Annotation on the drawing is of a fixed size, so the text will get visibly larger as the user zooms into the drawing.

Product/Placeholder annotation will be refreshed when the user clicks on the Refresh Icon in the toolbar.

Many features of annotation can be configured in Macro Space Management, but In-Store Space Collaboration users can only affect annotation via the Layers dialog box (accessible from the toolbar).

For more information on Layers dialog box, see Layers Window section described later in this chapter



Annotations are of three types. They are:

- Department (Zone) Annotation
- Fixture Annotation
- Planogram / Product Place-holder Annotation

Department (Zone) Annotation

This annotation labels the zone according to information held within the AVTTB_CUSTOM_SQL table in the Macro Space Planning database.

Fixture Annotation

This annotation labels the fixture according to information held within the AVTTB_CUSTOM_SQL table in the Macro Space Planning database.

Planogram / Product Place-holder Annotation

There are two types of texts placed for both Planograms and Product Place-holders.

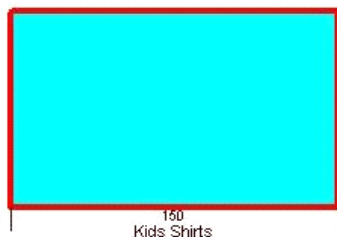
- Product Text
- Profile text

Product Text

Product Text is used to display either the product category description or the planogram description when a product or a planogram is placed in the drawing. Depending on the configuration settings, the description display varies. These are set within Macro Space Management and are not accessible to the In-Store Space Collaboration user.

Profile Text

The Profile Text is used to display company recognized codes; for example the Category Code or Planogram Number.

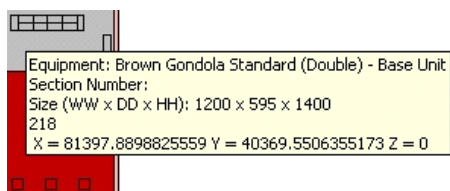


In the example, Product Text informs the user that the fixture has Kids Shirts on it and Profile Text indicates that they belong to category code 150.

Tooltips

Tooltips are small information windows that come up when you hold the mouse pointer over an item or object.

For example, holding the mouse pointer over an icon in the Toolbar brings up a short description of the purpose of the icon.



Tooltips can be customized to user requirements.

To see if a tooltip is present hold the mouse pointer over an item or object for a few seconds. If a tooltip is present, it will appear.

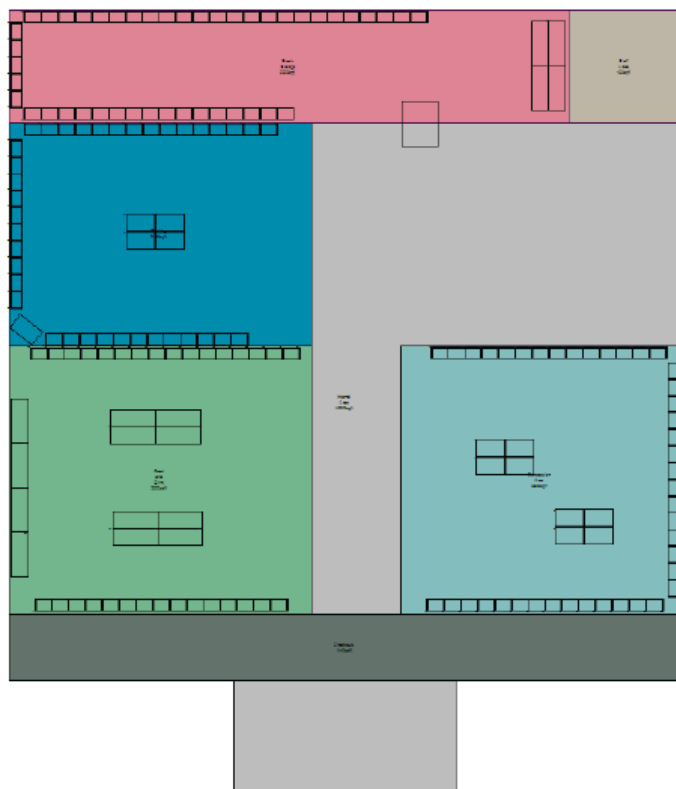
Note: Contact Oracle Customer Support to customize the tooltips.

Tooltips are of two types. They are:

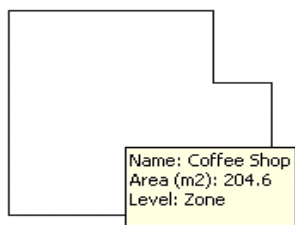
- Zone (Department) Tooltips
- Fixture Tooltips

Zone (Department) Tooltips

Within a drawing, Departments (Zones) are color coded according to the settings assigned within Macro Space Management.



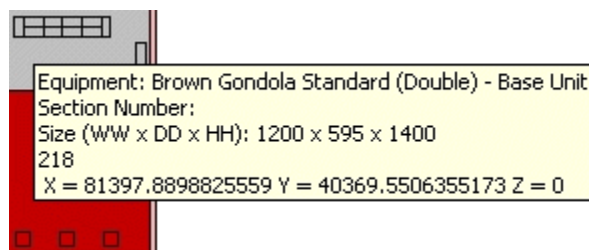
A tooltip appears when you hold the mouse cursor over the zone providing more information about the Zone (Department)



Zone (Departments) Tooltip

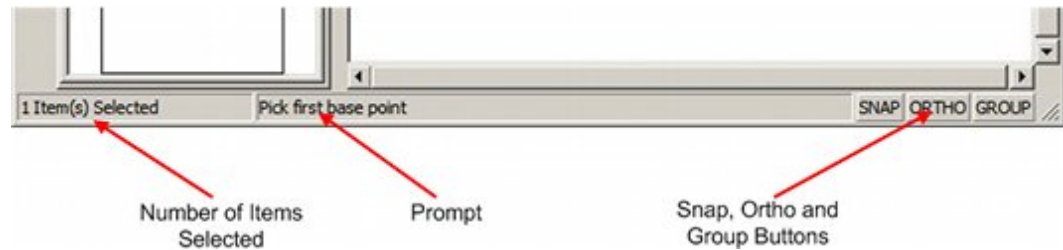
Fixture Tooltips

A tooltip appears when you hold the mouse cursor over the fixture in the fixturing tab, providing more information about the fixtures.



The Status Bar

The **Status Bar** can be found at the bottom of the In-Store Space Collaboration window.

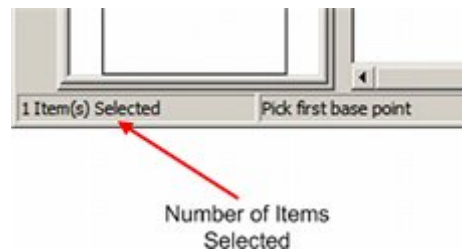


It consists of the following parts:

- Selected Items - this section displays the current number of objects that have been selected for further operations.
- Prompt - this section displays instructions that will assist the user in executing the current command.
- Snap button - this switches on or off the snapping the cursor to a grid point.
- Ortho button - this determines whether fixtures can be placed at any angle, or at multiples of 90 degrees (orthogonal).
- Group button - this determines whether fixtures that were placed simultaneously in the past (for example in a gondola) are to be selected singly or collectively.

Selected Items

The number of items selected is displayed on the left hand side of the Status Bar.



The total is interactive and will continually update as objects are selected or deselected.

Prompt

Instructions for executing the current command are displayed in the Prompt section.



This section will be blank unless there is a command in the process of being executed. If the command is to be executed in a series of stages, the prompt will change as the actions for the command progress.

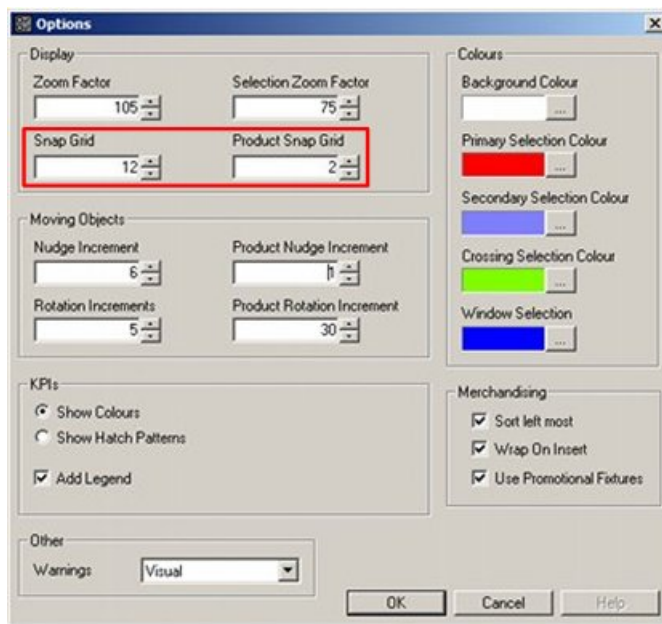
Snap

The Snap button is found to the right hand side of the Status Bar.



When the Snap option is enabled it allows objects to be snapped to a grid of specified spacing. The Snap option can be toggled on and off by clicking on the button. When the Snap option is On, the button will appear depressed.

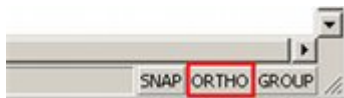
The spacing of the grid is specified in the Options dialog box (accessed from the toolbar).



The Snap Grid specifies the grid dimensions that will be used in Top Graphical view, while the Product grid settings are used in Schematic Preview.

The Ortho Option

The Ortho button is found to the right hand side of the Status Bar.



When enabled it will ensure that operations can only be carried out in orthogonal directions: (0, 90, 180 and 270 degrees). The Ortho option can be toggled on and off by clicking on the button. When the Ortho option is On, the button will appear depressed.

The Group Option

The Group button is found to the right hand side of the Status Bar.



When grouping is on all fixtures that have been placed simultaneously (typically a gondola) can be selected by clicking on any member of the group. When grouping is off fixtures have to be selected individually. The Group option can be toggled on and off by clicking on the button.

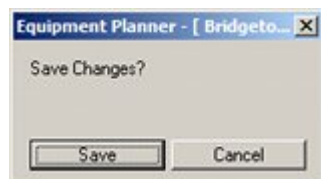
When the Group option is On, the button will appear depressed.

Saving

The Save option is to the left of the toolbar.



When the icon is clicked, it will bring up the Save dialog box.



Clicking the Save button updates the Macro Space Planning database with any changes made to the floor plan open in In-Store Space Collaboration since the last save.

Saving and Closing

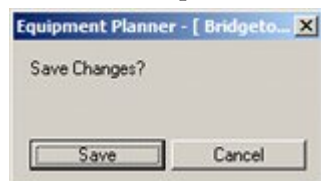
To Save and Close the drawing, click **Close** to the top right of the drawing. The Save Changes window will open.

The Save Changes dialog box exists in three versions. Which will appear depends on the status of the floor plan and the User Group the user belongs to.

Note: configuration of which dialog box appears is done directly in the database in the AVTTB_PROCESS_FLOW table.

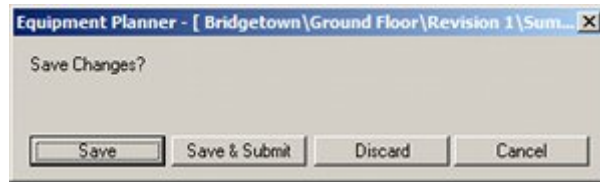
Save dialog box

This is the simplest form of the dialog box.



It allows users to save any changes in the floor plan, but not to change the status of the floor plan in the Macro Space Planning database.

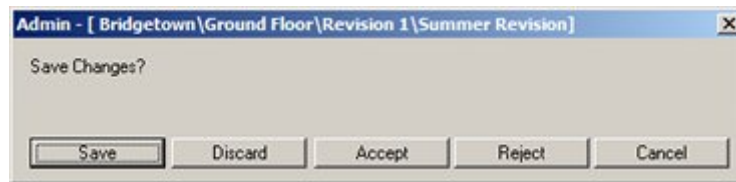
Save Submit dialog box



The Save Submit dialog box allows the following options.

Field	Description
Save	Saves and closes a drawing but does not change the status
Save & Submit	Saves and closes the floor plan and advances the status in the business process
Discard	Closes the drawing without any changes being saved
Cancel	Stops the closing process and returns the user to the drawing

Accept and Reject



The Accept and Reject dialog box allows the following options.

Field	Description
Save	Saves and closes a drawing but does not change the status
Discard	Closes the drawing without any changes being saved
Accept	Saves and closes the floor plan and advances the status in the business process
Reject	Saves and closes the floor plan and changes to an earlier status in the business process
Cancel	Stops the closing process and returns the user to the drawing

Note: See the *Macro Space Management Administration User Guide* for more information on statuses.

Printing

Printing of floor plans can be initiated by clicking the Print icon on the toolbar.



This will bring up the Print dialog box.



- Printer Name specifies the printer to be used. It will default to the computer's default printer each time the application is loaded. It will remember any changes during the session, but the changes will not be retained when the session is closed.
- Print what enables the user to specify whether all the drawing or merely that part selected to display on the screen will print.
- Scale enables the users to specify how many pages the drawing (or specified part of the drawing) prints over. This will allow the user to print the drawing on multiple pages, which can then be stuck together to create a single large drawing.

Note: This option is intended for users who do not have access to a large format printer or plotter.

- Orientation enables the user to determine whether the page on which the drawing is printed is in Portrait or Landscape orientation. The orientation will affect the scale of the printed drawing as the drawing will print to the maximum size allowed by the page orientation and number of pages selected.
- Copies enables the user to specify the number of copies of the drawing that will print. The value can be set to any number between 1 and 100. It will default to 1 each time the application is loaded. During the session, the last value selected will be retained, but this value will not be remembered when the session is closed.
- Print will result in the specified plan being printed on the specified printer.

Adjacency

Adjacency is the relationship of certain classes of object within Macro Space Management/In-Store Space Collaboration to one another. There are three different types of adjacencies:

- Fixture Adjacency
- Product Adjacency
- Aisle Adjacency

Adjacencies are used for differing purposes.

Fixture Adjacency

Fixture adjacency is used to establish which fixtures are treated as having a relationship with each other. It is also used to calculate the relationships of fixtures within a gondola. This could be for bay numbering, gondola numbering, Category Insertion and other purposes.

Product Adjacency

The relationship of the parent fixtures to each other is known as product adjacency.

Aisle Adjacency

The planograms can have a relationship with each other depending on the relationship of the parent fixtures to any aisles that may have been placed in the Planner Module. This is known as Aisle Adjacency.

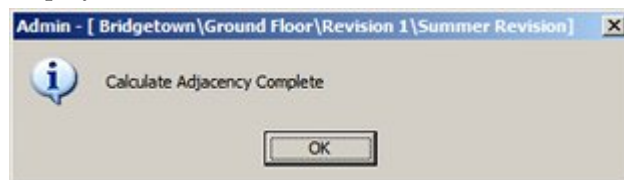
It is important to note that slightly different rules apply for aisle, fixture, and product adjacency. For example, a specific bay might be adjacent to another bay by the rules of fixture adjacency, but the product in those bays might not be adjacent by the rules of product adjacency.

Adjacency Calculations in In-Store Space Collaboration

Only Fixture Adjacency calculations can be carried out in In-Store Space Collaboration. To calculate Fixture Adjacency manually, click the Fixture Adjacency icon on the toolbar.



Once the calculations are completed, a Calculate Adjacency Complete message is displayed.

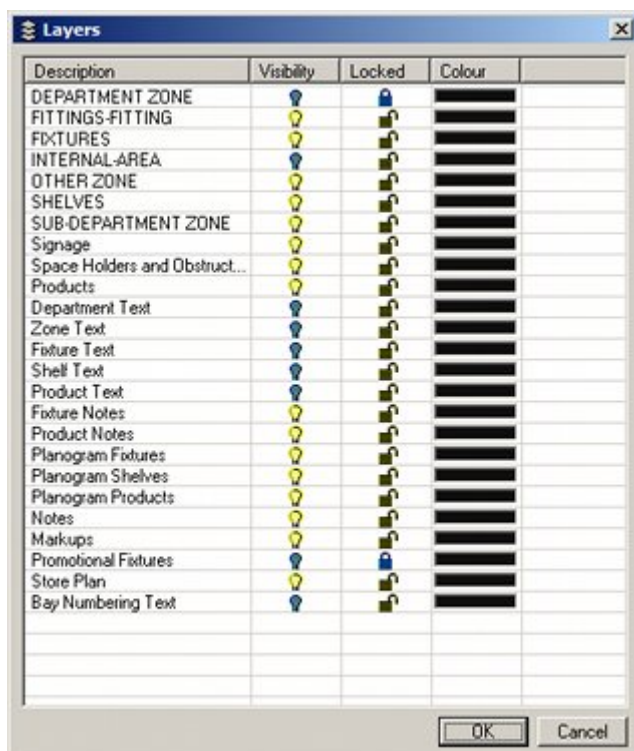


Note: Product and Aisle Adjacency calculations can be done only within Macro Space Management.

The Layers Dialog Box

The Layers dialog box allows users to control what is displayed in the various graphical views. To access the Layers Window, left click on the Layers icon in the toolbar.

- Ctrl + A will select all layers.
- Shift + mouse click selects a range of layers from those available
- Ctrl + mouse click selects multiple layers from those available.



The window can be resized by dragging on the appropriate edge. Each column can be sorted by clicking on the top. Clicking once will sort on ascending order. Clicking a second time will reverse the sort order.

Clicking on the Visibility icon for a specific layer will show or hide it on the drawing.

Field	Description
	Show Layer on drawing
	Hide Layer on drawing

Clicking on the Locked icon will prevent changes being made to objects on that Layer.

Field	Description
	Allow changes on drawing

Field	Description
	Prevent changes on drawing

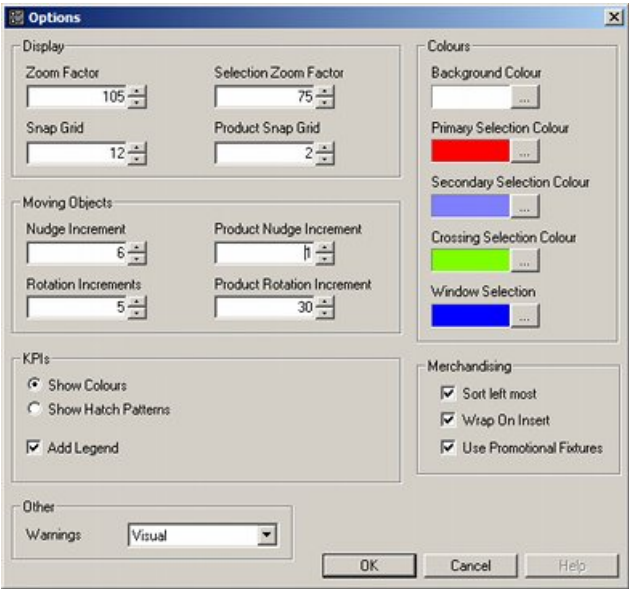
A locked layer cannot have objects added to it, edited, deleted, moved, or rotated. The Color for each layer can be customized by clicking on it, then selecting from the Color Pallet that will appear.



The Options Dialog Box

Overview of Options Dialog Box

The Options dialog box allows users to customize the way many of the details of In-Store Space Collaboration operate for them personally.



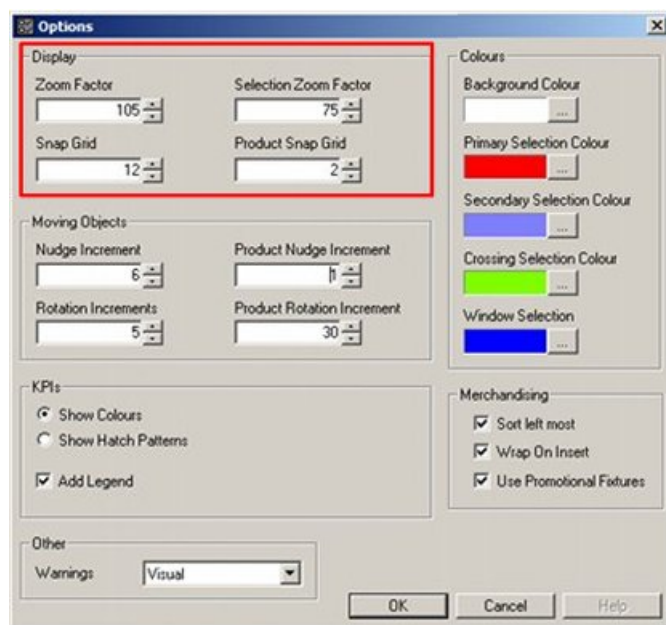
1. The Display frame affects how objects zoom and the size of the grid they can be 'snapped' to.

2. The Moving Objects frame determines how objects move with the aid of the cursor keys.
3. The Colors frame enables users to set their preferences for colors associated with actions in Top Graphical View.
4. The KPIs frame allows users to specify whether printed KPIs color or hatch.
5. The Merchandising frame determines how merchandise behaves while being placed on multiple fixtures.
6. The Other frame allows users to specify the form of warning they receive.

The Display Frame

The Display Frame allows the Zoom Factors and the Grid Sizes for objects and products to be snapped onto to be specified.

- Zoom Factor
- Selection Zoom Factor
- Snap Grid
- Product Snap Grid



Zoom Factor

The Zoom Factor affects the amount the image zooms in or out, either by clicking the Zoom In or Zoom Out icons on the toolbar, or by rotating the central wheel on the mouse. The setting is in percentage, with the default setting at 200%. Permissible ranges for the Zoom Factor are between 10% - 1000%.

Selection Zoom Factor

The Selection Zoom Factor is used when selecting objects. It determines how much the drawing zooms out so all the selected objects are visible. The setting is in percentage, with the default setting at 90%. Permissible ranges for the Selection Zoom Factor are between 25% - 100%.

Snap Grid

The Snap Grid setting affects the movements of fixtures and fittings. It will only be active if the Snap option is enabled.

The setting is in linear units with the default setting at 1. The permissible range for the Snap Grid is 1 - 100. The units, and hence size of grid will depend on whether the store is using metric or imperial units. This is configurable within Macro Space Management but not In-Store Space Collaboration.

Product Snap Grid

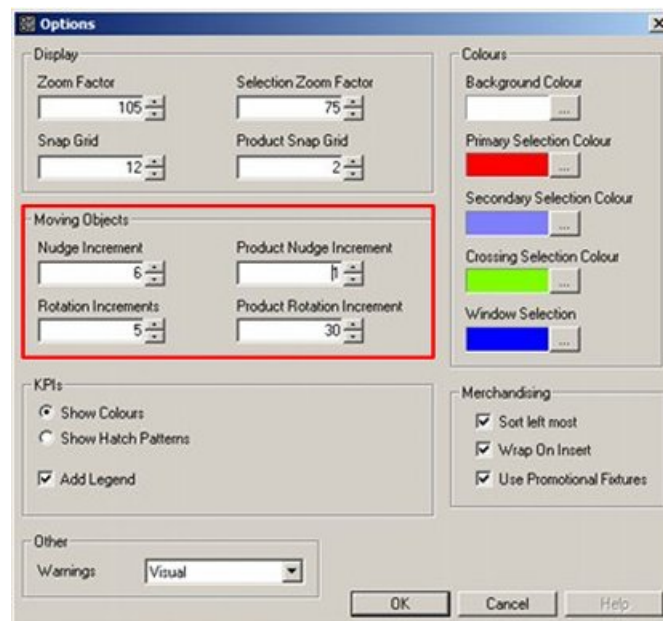
The Product Snap Grid setting the movements of objects on shelves. It will only be active if the Snap option is enabled. The setting is in linear units with the default setting at 1. The permissible range for the Snap Grid is 1 - 100. The units and size of the grid will depend on whether the store is using metric or imperial units. This is configurable within Macro Space Management but not In-Store Space Collaboration.

Note: The Snap button is found to the right of the status bar in Top Graphical View.

The Moving Objects Frame

The **Moving Objects Frame** allows the user to specify the increments by which objects can be moved or rotated.

- Nudge Increment
- Product Nudge Increment
- Rotation Increments
- Product Rotation Increment



Nudge Increment

Nudge Increment allows the user to set the amount a selected fixture is moved by means of the keyboard cursor keys. Fixtures may be moved up, down, left and right by this method. The setting is in inches. The permissible range is between 1 – 100 inches.

Product Nudge Increment

Product Nudge Increment allows the user to move products on a shelf by means of the keyboard cursor keys. Products may be moved up, down, left and right by this method. The setting is in inches. The permissible range is between 1 – 100 inches.

Rotation Increments

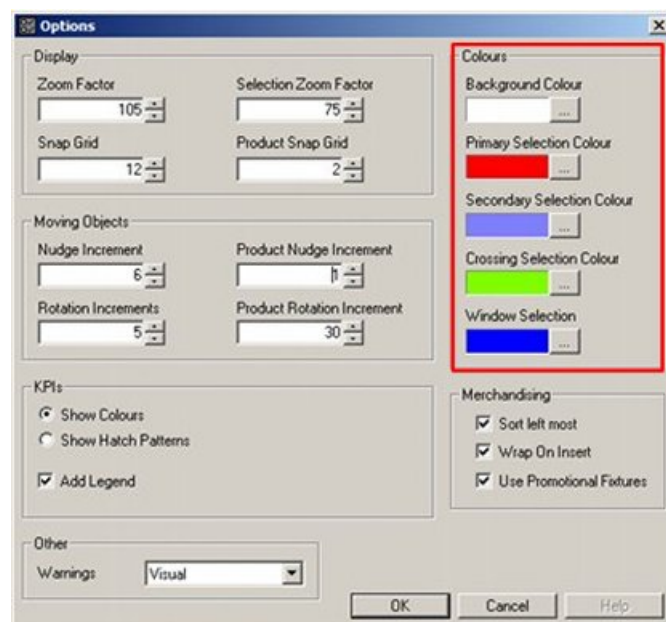
Rotation Increments allows the user to set the amount fixtures and fittings are rotated in the Top Graphical View. The setting is in degrees. The permissible range is between 1 – 90 degrees. The spin buttons will change the setting in 5-degree increments.

Product Rotation Increment

Product Rotation Increment allows the user to set the amount products are rotated in the Top Graphical View. The setting is in degrees. The permissible range is between 1 – 90 degrees. The spin buttons will change the setting in 5-degree increments.

The Colors Frame

The **Colors Frame** allows you to specify colors used for selection.



In each case clicking on the button to the right of the option will bring up the color selection pallet.



- Background Color sets the background for all graphical views. The default color is white.
- Primary Selection Color specifies the color to which the first selected object will change to confirm selection.
- Secondary Selection Color specifies the color to which further selected objects in a selection set will change to confirm selection.
- Crossing Selection Color specifies the color of the Crossing Selection box. This box has a dotted outline. (The default color is green).

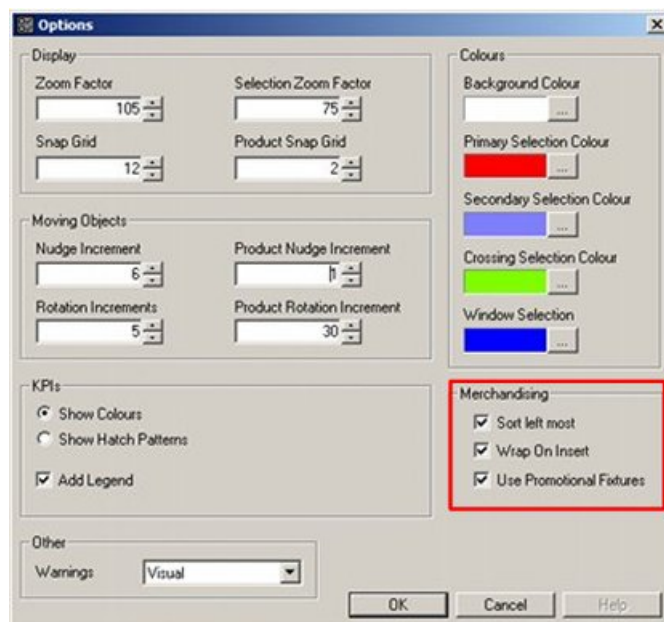
Note: Crossing Selection will select every object that the window encloses or crosses. Crossing Selection occurs when the user selects a start point then moves the cursor left.

- Window Selection Color specifies the color of the Window Selection box. This box has a solid outline. (The default color is blue).

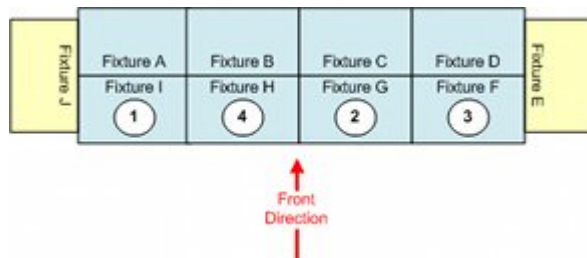
Note: Window Selection will only select objects that the window completely encloses. Window Selection occurs when the user selects a start point then moves the cursor right.

The Merchandising Frame

The **Merchandising Frame** allows options to be set that will determine some of the behavior of planogram placement.



Sort left most ensures the fixtures are sorted before being populated so that they are populated in sequence, leftmost first relative to the front of the fixtures. If this feature is not enabled then the fixtures will be populated in the sequence they were selected.



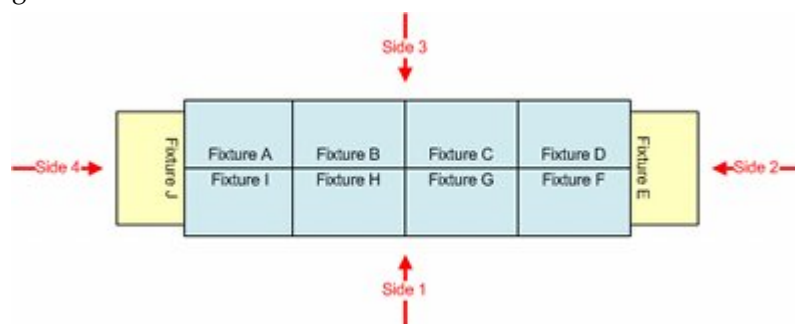
In the above example, fixtures F - I have been selected in the numbered sequence. The table below shows the effect of Sort Leftmost on the sequence the fixtures will populate with a 4 bay planogram:

Selection Sequence	Fixture	Sort Leftmost Off	Sort Leftmost On
		Population Sequence	Population Sequence
1	Fixture I	Fixture I	Fixture I
2	Fixture G	Fixture G	Fixture H
3	Fixture F	Fixture F	Fixture G
4	Fixture H	Fixture H	Fixture F

Note: If the selected fixtures contain split groups (for example fixtures on different sides of an aisle) and they are to be populated with the same planogram then In-Store Space Collaboration will first sort the fixtures into adjacent groups, then sort each group of adjacent fixtures left most first.

Wrap on Insert

If the Wrap on Insert option is checked, the planograms being added or displaced may move to adjacent free fixtures on other sides of the gondola. If this option is not checked, the planograms being added or displaced will be confined to the current side of the gondola.

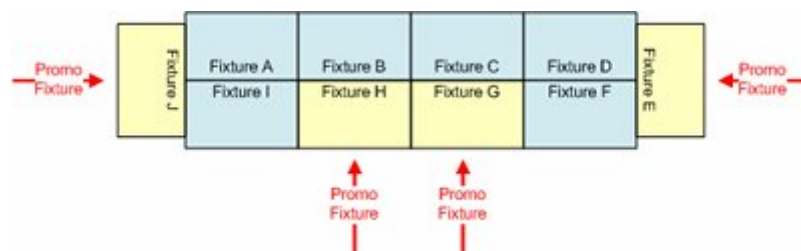


In the above example the gondola has four sides. If the Wrap on Insert option is on, a 4 bay gondola placed starting at Fixture G will occupy Fixtures G, F, E and D. If the Wrap on Insert option is off, the 4 bay gondola will only be able to occupy Fixtures G and F on side 1 - this will generate a message saying there is not enough space available.

Use Promotional Fixtures

If the Populate Promo option is checked, then planograms being added or displaced may move onto fixtures designated as Promotional Fixtures. If this option is not checked, the promotional fixtures will not be available for merchandising purposes.

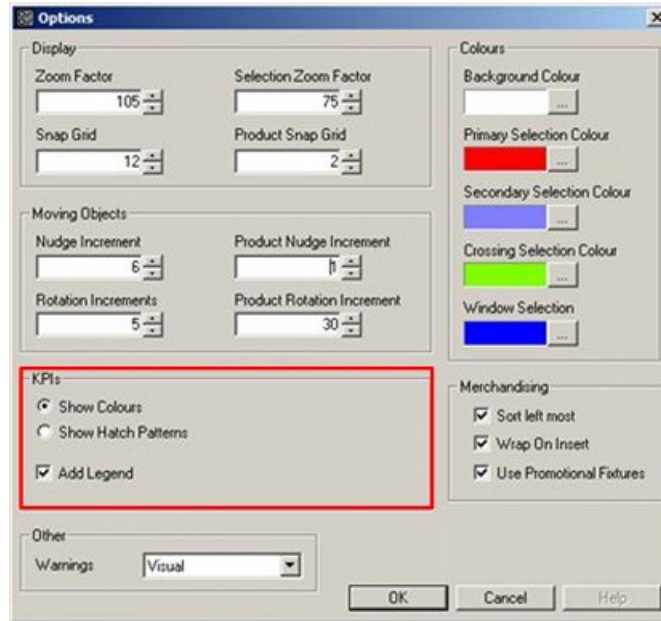
Note: Promotional fixtures are often end caps. However, some retail organizations also designate fixtures in the center of gondola runs as promotional fixtures.



In the above example, the two fixtures designated as promotional Fixtures (G and H) in the center of the gondola size will populate if that side of the gondola is selected. If it is required to populate the end caps (Fixtures E and J) then Wrap on Insert must also be checked because the endcaps are on different sides.

The KPI Frame

The **KPI Frame** allows options to be set for Key Performance Indicators.



Show Colors and Show Hatch Patterns are mutually exclusive options selected by means of a radio button.

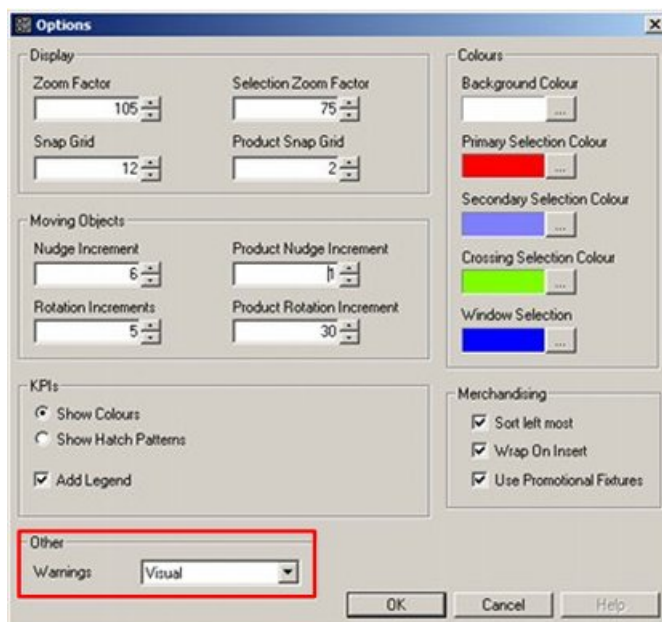
- If Show Colors is selected then performance will be indicated by means of a color-coding scheme.
- If Show Hatch Patterns is enabled then performance will be indicated by means of different hatching patterns.

Note: Hatch patterns are primarily intended for use on black and white printers where color-coding performance may not be effective.

- Add Legend will add a legend to the printed drawing showing the Key Performance Indicators. These could either be in the form of colors or hatch patterns.

The Other Frame

The **Other Frame** allows users to set the options for warnings when user initiated actions suffer errors.



The drop down list allows users to swap between Visible & Audible warnings and purely Visual warnings.

Note: The exact sounds used for each warning can be configured. Contact Oracle Customer Support for more information.

Annotation

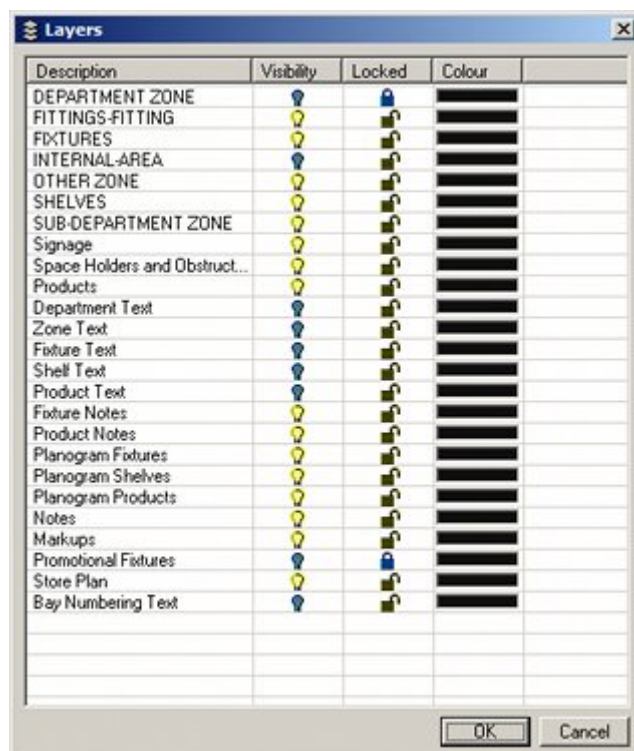
Overview of Annotation

Annotation on the drawing is of a fixed size, so the text will get visibly larger as the user zooms into the drawing.

Product/Placeholder annotation will be refreshed when the user clicks on the Refresh Icon in the toolbar.

Many features of annotation can be configured in Macro Space Management, but In-Store Space Collaboration users can only affect annotation via the Layers dialog box (accessible from the toolbar).

For more information on Layers dialog box, see Layers Window section described later in this chapter



Department (Zone) Annotation

This annotation labels the zone according to information held within the AVTTB_CUSTOM_SQL table in the Macro Space Planning database.

Fixture Annotation

This annotation labels the fixture according to information held within the AVTTB_CUSTOM_SQL table in the Macro Space Planning database.

Planogram / Product Place-holder Annotation

There are two types of texts placed for both Planograms and Product Place-holders.

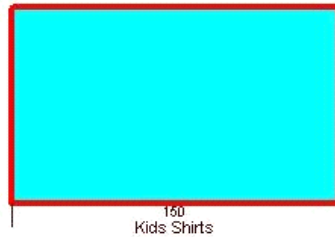
1. Product Text
2. Profile text

Product Text

Product Text is used to display either the product category description or the planogram description when a product or a planogram is placed in the drawing. Depending on the configuration settings, the description display varies. These are set within Macro Space Management and are not accessible to the In-Store Space Collaboration user.

Profile Text

The Profile Text is used to display company recognized codes; for example the Category Code or Planogram Number.



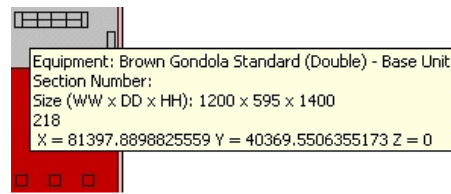
In the example, Product Text informs the user that the fixture has Kids Shirts on it and Profile Text indicates that they belong to category code 150.

Tooltips

Overview of Tooltips

Tooltips are small information windows that come up when you hold the mouse pointer over an item or object.

For example, holding the mouse pointer over an icon in the Toolbar brings up a short description of the purpose of the icon.



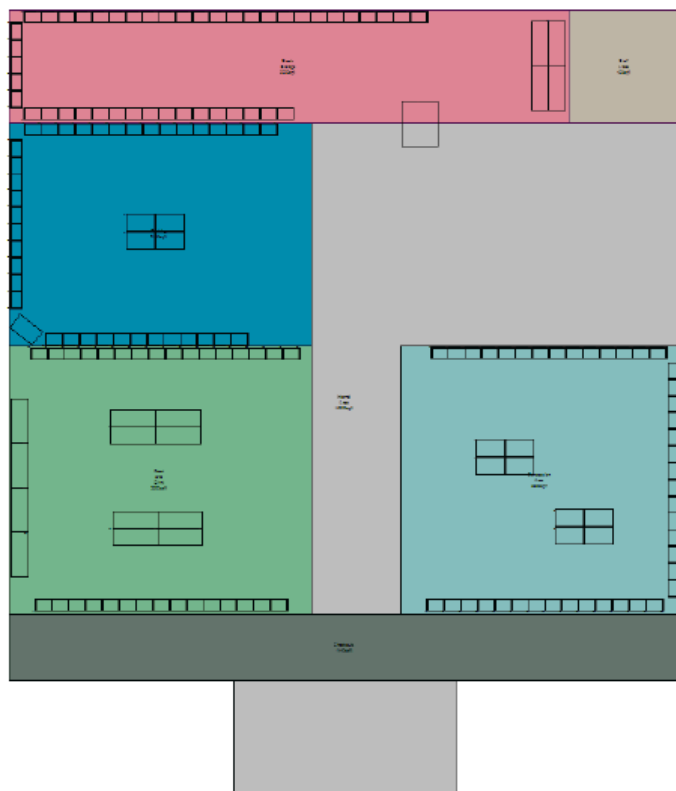
Tooltips can be customized to user requirements.

To see if a tooltip is present hold the mouse pointer over an item or object for a few seconds. If a tooltip is present, it will appear.

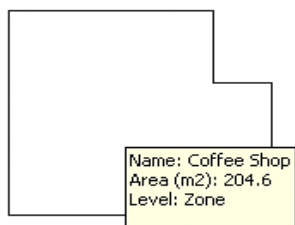
Note: Contact Oracle Customer Support to customize the tooltips.

Zone (Department) Tooltips

Within a drawing, Departments (Zones) are color coded according to the settings assigned within Macro Space Management.

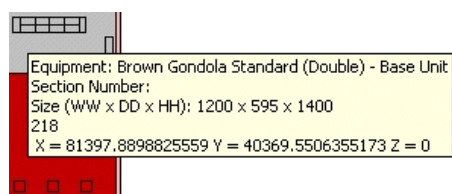


A tooltip appears when you hold the mouse cursor over the zone providing more information about the Zone (Department)



Fixture Tooltips

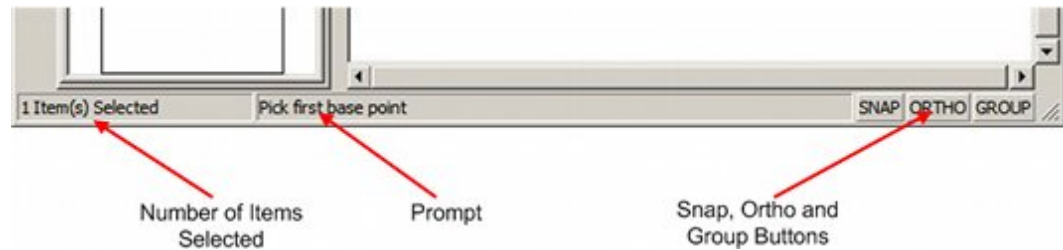
A tooltip appears when you hold the mouse cursor over the fixture in the fixturing tab, providing more information about the fixtures.



The Status Bar

Overview of the Status Bar

The **Status Bar** can be found at the bottom of the In-Store Space Collaboration window.

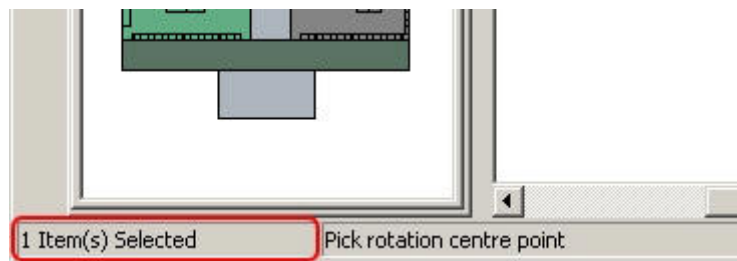


It consists of the following:

- Selected Items - It displays the current number of objects that have been selected for further operations.
- Prompt section - It displays instructions that will assist the user in executing the current command.
- Snap button - It switches on or off the snapping the cursor to a grid point.
- Ortho button - It switches on or off whether selected points are orthogonal (at 90 degrees) to each other.
- Group button - It determines whether fixtures that belong to a previously determined group are treated singly or collectively.

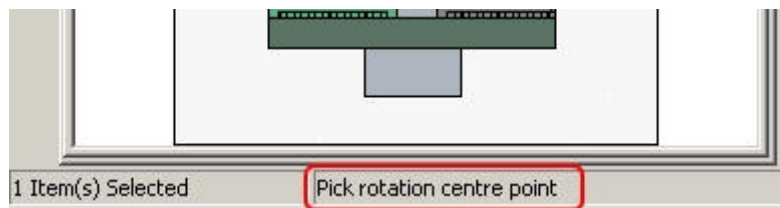
Selected Items

The number of items selected is displayed on the left hand side of the Status Bar.



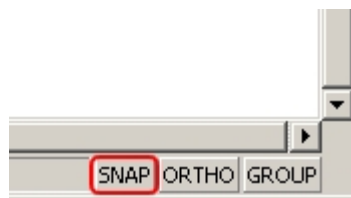
Prompt

Instructions for executing the current command are displayed in Prompt section.



Snap

The Snap button is found to the right hand side of the Status Bar.



When the Snap option is enabled it allows objects to be snapped to a grid of specified spacing.

Note: The spacing of the grid is specified in the Options field present in the toolbar at the top of the window.

The Snap option can be toggled on and off by clicking on the button. When the Snap option is On, the button will appear depressed.

The Ortho Option

The Ortho button is found to the right hand side of the Status Bar.



When enabled it will automatically adjust second or subsequent picked points so they are orthogonal (at 90 degrees) to the previous point. The Ortho option can be toggled on and off by clicking on the button. When the Ortho option is On, the button will appear depressed.

The Group Option

The Group button is found to the right hand side of the Status Bar.



When grouping is on all fixtures that have been placed as a group (typically a gondola) can be selected by clicking on any member of the group. When grouping is off fixtures (even if they were placed as a group) have to be selected individually. The Group option can be toggled on and off by clicking on the button.

When the Group option is On, the button will appear depressed.

Note: Grouping options are defined in Macro Space Management. They cannot be changed by In-Store Space Collaboration users.

Adjacency Calculations

Adjacency

Adjacency is the relationship of certain classes of object within Macro Space Management/In-Store Space Collaboration to one another. There are three different types of adjacencies:

- Fixture Adjacency
- Product Adjacency
- Aisle Adjacency

Adjacencies are used for differing purposes.

Fixture Adjacency

Fixture adjacency is used to establish which fixtures are treated as having a relationship with each other. It is also used to calculate the relationships of fixtures within a gondola. This could be for bay numbering, gondola numbering, Category Insertion and other purposes.

Product Adjacency

The relationship of the parent fixtures to each other is known as product adjacency.

Aisle Adjacency

The planograms can have a relationship with each other depending on the relationship of the parent fixtures to any aisles that may have been placed in the Planner Module. This is known as Aisle Adjacency.

It is important to note that slightly different rules apply for aisle, fixture, and product adjacency. For example, a specific bay might be adjacent to another bay by the rules of fixture adjacency, but the product in those bays might not be adjacent by the rules of product adjacency.

Adjacency Calculations in In-Store Space Collaboration

Only Fixture Adjacency calculations can be carried out in In-Store Space Collaboration. To calculate Fixture Adjacency manually, click the Fixture Adjacency icon on the toolbar.



Once the calculations are completed, a Calculate Adjacency Complete message is displayed.



Note: Product and Aisle Adjacency calculations can be done only within Macro Space Management.

Adjacency Calculations in In-Store Space Collaboration

Only Fixture Adjacency calculations can be carried out in In-Store Space Collaboration. They are carried out automatically when the drawing is saved. To calculate Fixture Adjacency manually, click the Fixture Adjacency icon on the toolbar.



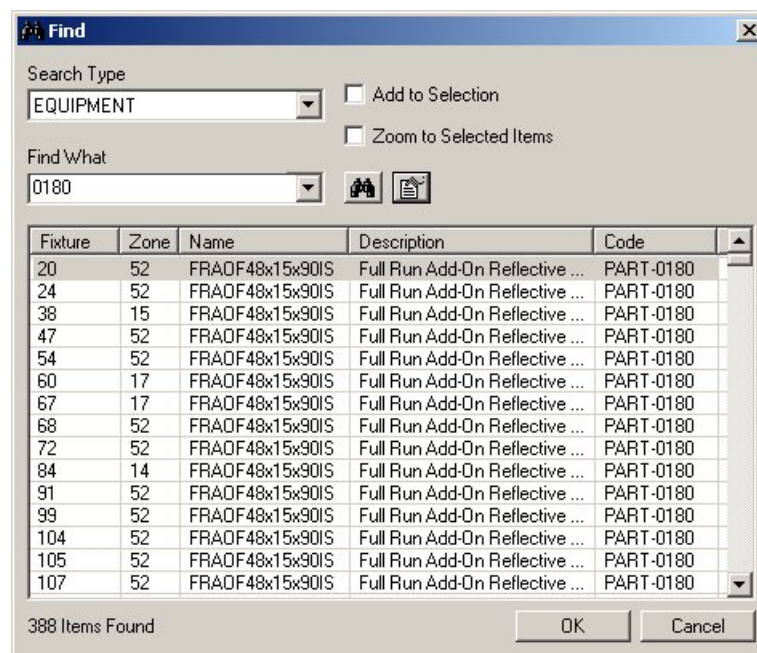
Once the calculations are completed, a Calculate Adjacency Complete message is displayed. This will result in In-Store Space Collaboration calculating the relative positions of all fixtures in the drawing.

Note: Product and Aisle Adjacency calculations can be done only within Macro Space Management.

Other Toolbar Options

The Find Window

Click the Find icon in the toolbar. The Find Window opens.



Note: Find will only operate on the sections of the drawing that were selected in the Select the Data dialog box when it was opened. Data that is not in the selected sections will not appear in the search results.

The Search Type can be selected from a pre-set drop down list.

Find What will search for matching text strings.

The search criteria will accept wildcards and is not case-sensitive.

Wild Card	
?	Any single character.
*	Any sequence of characters.

The last 10 search strings entered are retained and are available from a drop down list.

The Refresh Option

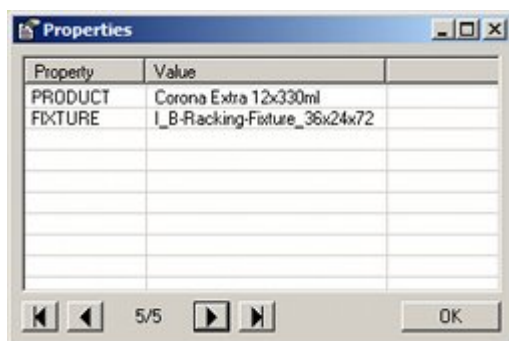
Clicking on the Refresh Option updates the currently active hierarchical trees with information from the central Macro Space Planning database.

Note: If the Fixturing Tab has been selected in the Object Browser then the Fixture and Gondola hierarchies will be updated. If the Merchandising Tab has been selected then the Product and Planogram hierarchies will be updated.

The Properties Window

The **Properties Window** can be activated once a fixture has been selected.

The Icon will become active. On clicking the icon, the Properties window will appear.



This window contains details of the product, the department and the fixture.

The number of objects can be seen at the bottom of the window. The arrowheads allow the user to move through the records.

Note: The information displayed in the Properties window is configurable in Macro Space Management.

The Measure Option

The Measure Option is used to determine the length of paths in the drawing.

Note: If the measured distance is made up of a single line then more detailed information is displayed.

It is activated by clicking on the Measure icon in the toolbar.

To measure the path length:

1. When the measure icon is clicked, a prompt will appear in the lower left of the screen asking the user to set the first point. Click to set the first point.
2. The prompt will ask for the next point.

3. Click to set the next point.
4. Continue setting points in this manner until the path is defined. All but the last section will be dotted.
5. When the path has been drawn, press the Esc key.
6. The path length will then be displayed.



The Note Option

The Note Option

The Note options can be accessed using the Note icons on the Toolbar. This enables users to attach short text based notes to Fixtures, KPIs, etc. There are four options available:

Field	Description
	Add a Note to the floor plan
	Add a Note in the floor plan
	Move a Note
	Delete a Note

Notes can be placed anywhere in the drawing, except when the KPI tab is selected.

Adding a Note to the Floor Plan

General notes can be added to the floor plan. These can also be read in the File Properties dialog in Store Manager in Macro Space Management, providing a way to communicate between the two applications.

Adding a Note in the Floor Plan

Notes in the floor plan can be added in Top Graphical View and Front Graphical View. They can be added to Zones, Fixtures, Shelves and Products.

Moving a Note

Notes can be moved in one of two ways: dragging and dropping or using the move icon.

Deleting a Note

To delete a note select the Notes option from the toolbar. In the Notes dialog box, highlight the required note and click on the Delete icon.

Turning Note Display On and Off

Note display can be turned on or off by switch the appropriate layer on or off.

Changing the Appearance of a Note

The font type and font size can be changed by altering the system variable settings in the database.

Note: See the Macro Space Management Administrators User Guide for more information.

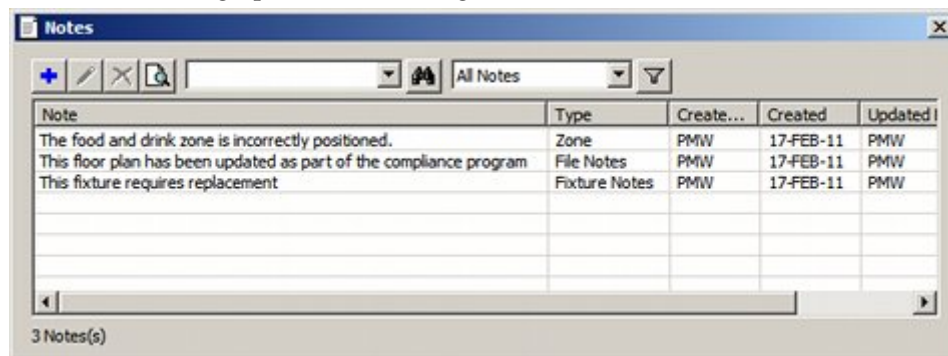
Adding a General Note to the Floor Plan

General notes can be added to the floor plan. These can also be read in the File Properties dialog in Store Manager in Macro Space Management, providing a way to communicate between the two applications. To add a general note:

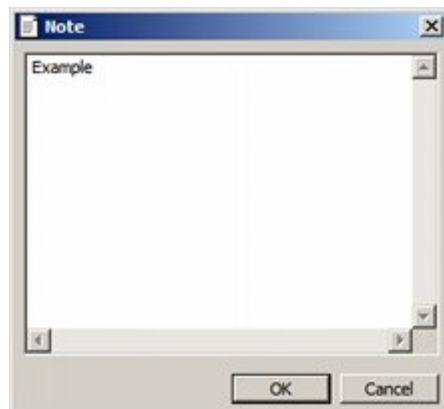
1. Select the Notes option from the toolbar



2. This will bring up the Notes dialog box.

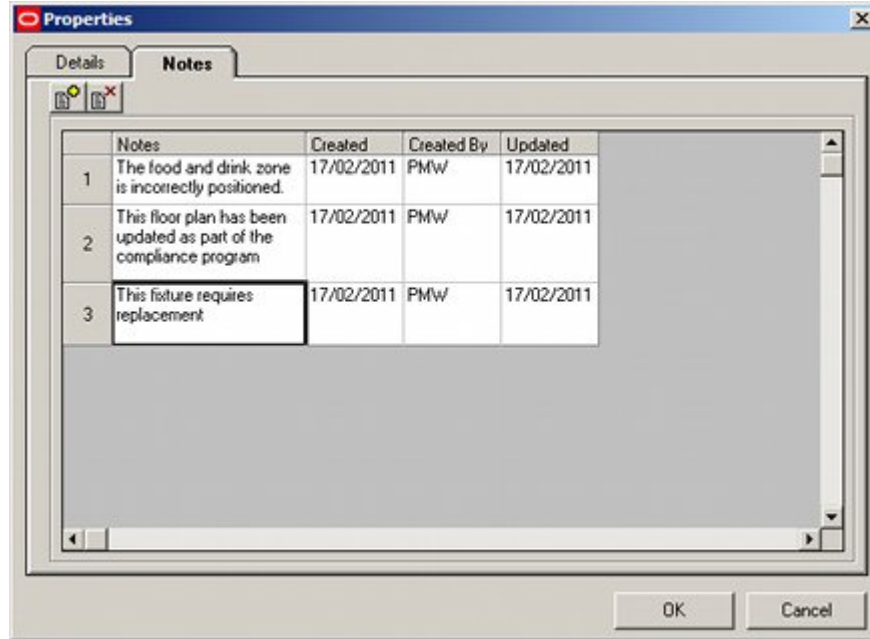


3. Click on the Add icon to bring up the Note dialog box.



4. Text can be typed into the dialog box. On clicking OK, it will then be added to the Notes dialog box.
5. Notes will be permanently written to the database when the floor plan is saved.

6. These notes will also be visible in the File Properties dialog box in Store Manager in Macro Space Management.



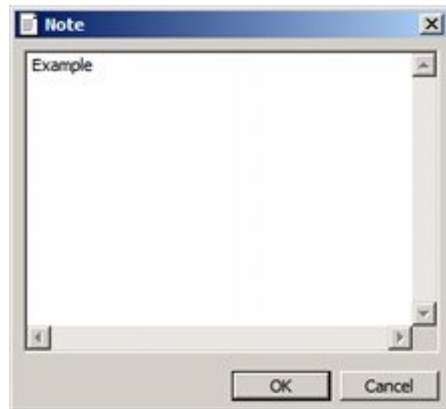
Adding a Note

To add a note:

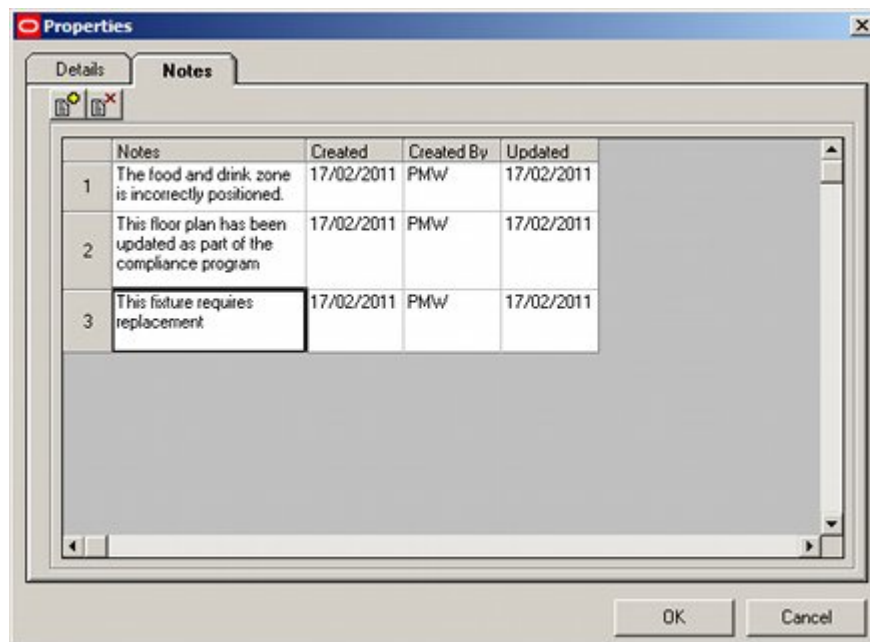
1. Click Add Note on the toolbar.



2. Move the cursor into the drawing and position it where the note should appear. Notes can be added in Top Graphical View and Front Graphical View to Zones, Fixtures, Shelves and products.
3. Left click and the Note dialog box will appear.



4. After the required information has been entered, click OK. The note will then be added to the drawing.
5. These notes will also be visible in the File Properties dialog box in Store Manager in Macro Space Management.



Moving a Note

Notes can be moved in one of two ways:

- Dragging and dropping
- Using the move icon.

Dragging and dropping

To drag and drop:

1. 1. Click to select the required note.
2. 2. Place the mouse pointer inside the note, hold down the left mouse key, and drag the note to where it is required.
3. 3. Release the left mouse key to drop the note in its new location.

Using the Move Icon

To move using the Move icon:

1. Click on the required note so it is highlighted.
2. Click on the move icon in the toolbar.
3. You will then be prompted to set two points to show the relative movement.
4. On setting the second point, the note will be moved the required distance and angle.

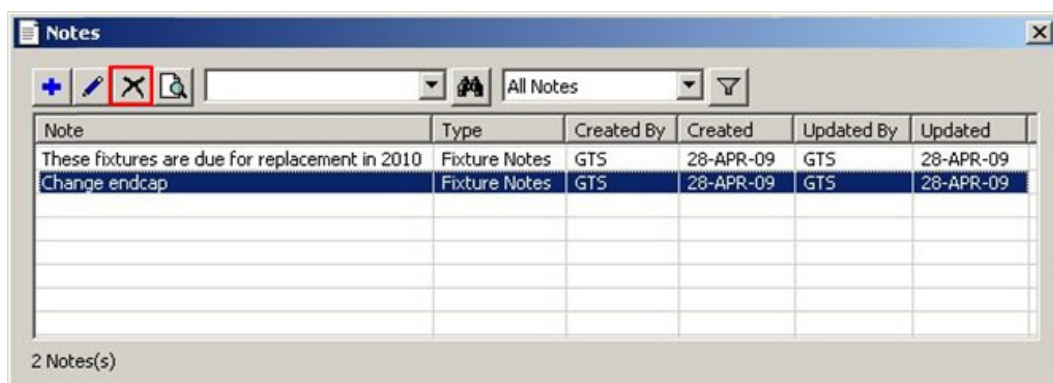
Deleting a Note

To delete a note:

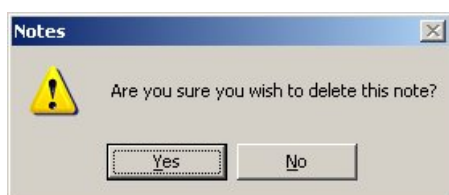
1. Select the Notes option from the toolbar.



2. This will bring up the Notes dialog box. This contains all notes in the floor plan including general notes, zone notes, fixture notes, shelf notes and product notes. This can be filtered using the drop down list or filter options.
3. Highlight the required note and click on the Delete icon.



4. A confirmation dialog will appear.



5. Click on Yes to delete the note.

Turning Note Display On and Off

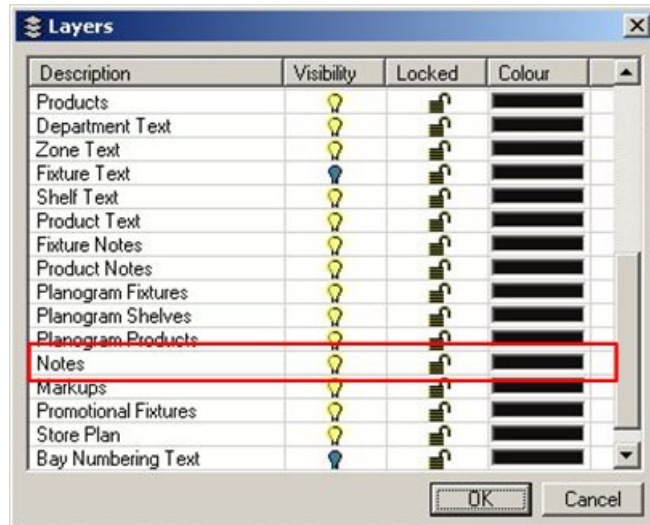
Note display can be turned on or off by switch the appropriate layer on or off.

To turn the note display on and off:

1. Click the Layer option on the toolbar.



The Layers dialog box will appear.

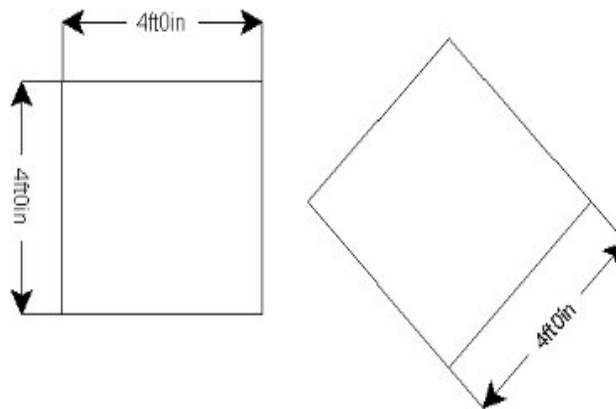


- Click the light bulb by Notes to toggle Note display on and off.

The Dimension Option

Overview

The Dimension options can be accessed using the Dimension icons on the Toolbar. You can use this option to indicate the distance between fixtures.



There are five options available:

Field	Description
	Add a Dimension Line
	Add a Vertical Dimension Line
	Add a Horizontal Dimension Line
	Move a Dimension Line
	Delete a Dimension Line

The line color and weight, together with the text font and size can be changed by altering the system variable settings in the database.

See the *Macro Space Management Administrators User Guide* for more information.

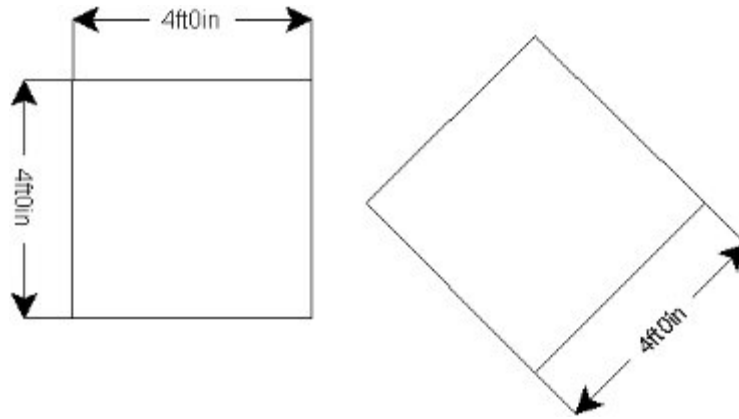
Adding a Dimension

To add a dimension:

1. Click Add Dimension on the toolbar.



2. The prompt in the status point will indicate the user should pick the first base point.
3. Left click to set the base point. The prompt will then change to prompt the user to set the second base point.
4. Drag the cursor to where the second base point will be. A solid line will appear on the drawing.
5. Left click and the line will turn to a dotted one. The dotted line can now be dragged to the required dimension height as prompted on the status bar.
6. This will result in the line changing shape so it becomes a drawing dimension line.
7. Left click and the line will become solid with the dimension included.



Moving a Dimension

Dimensions can be moved in one of two ways:

- Dragging and dropping
- Using the move icon.

Dragging and Dropping

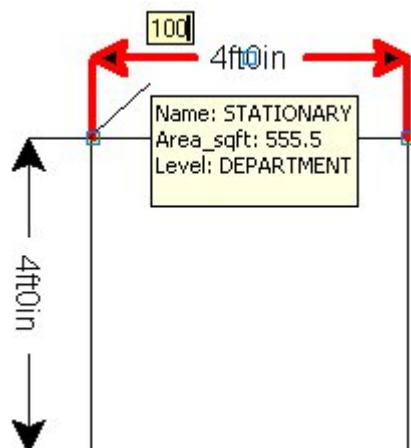
To drag and drop:

1. Click to select the required Dimension line.
2. Place the mouse pointer inside the Dimension Line, hold down the left mouse key and drag the Mark Up to where it is required.
3. Release the left mouse key to drop the Dimension Line in its new location.

Using the Move Option

To use the move option:

1. Click to select the required Dimension Line.
2. Click Move on the toolbar.
3. The user will then be prompted to set two points to show the relative movement.
4. On setting the second point, the Mark Up will be moved the required distance and angle.
5. Alternatively, the user can set the first point; drag the line to set the required angle of movement, then type in the required distance to move.



6. The dimension line will then move the specified distance at the required angle.

Deleting a Dimension

To delete a dimension:

1. Select the dimension.

Note: If you are having trouble selecting a line for deletion, it is easiest to use a selection box rather than clicking on it.

2. Click Delete dimension.



3. A confirmation window will open.



4. Click Yes.

Turning Dimension Display On and Off

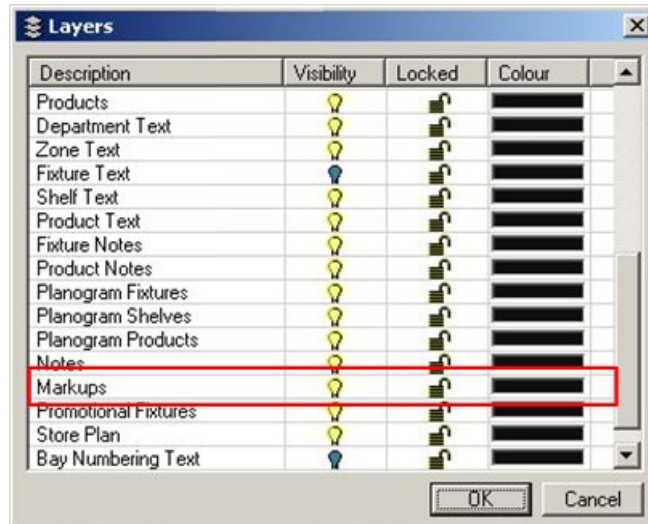
Dimension Display can be turned on or off by switching the appropriate layer on or off.

To turn mark up display on and off:

1. Click the Layer option on the toolbar.



2. The Layers window will open.



3. Click the light bulb by Mark Ups to toggle Dimension display on and off. (Dimensions are treated as special form of markup).

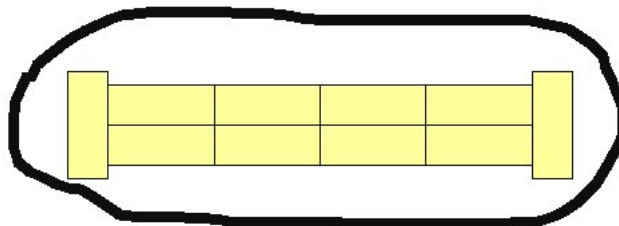
The Mark Up Option

Accessing the Mark Up Option

The Mark Up option can be accessed using the Mark Up icons on the Toolbar.



This enables the user to mark the floor plan with freehand lines - thus highlighting objects for attention.



The line color and weight can be changed by altering the system variable settings in the database. See the *Macro Space Management Administration User Guide* for more information.

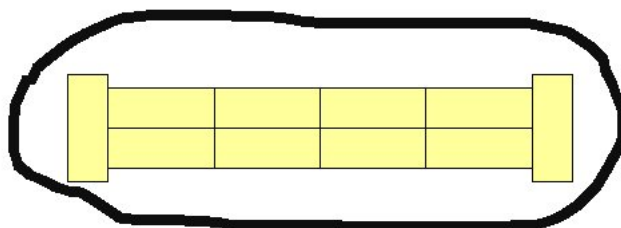
Adding a Mark Up

To add a mark up:

1. Click Add Mark Up on the toolbar.



2. A freehand line can then be drawn on the drawing by using the mouse.



3. Two different weights of line are available; one by holding down the left mouse button while drawing and one by holding down the right mouse button while drawing.



Moving a Mark Up

Mark ups can be moved in one of two ways:

- Dragging and dropping
- Using the move icon

Dragging and dropping

To drag and drop:

1. Select the required Mark Up.
2. Place the mouse pointer inside the Mark Up, hold down the left mouse key, and drag the Mark Up to where it is required.
3. Release the left mouse key to drop the Mark Up in its new location.

Using the Move Option

To use the move option

4. Click on the required Mark Up so it is highlighted.
5. Click Move on the toolbar.
6. The user will then be prompted to set two points to show the relative movement.
7. On setting the second point, the Mark Up will be moved the required distance and angle.

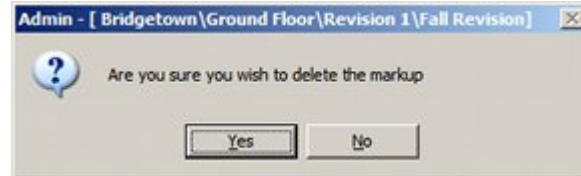
Deleting a Mark Up

To delete a mark up:

1. Click on the line to active it.

Note: If you are having trouble selecting a line for deletion, increase the scale of the drawing by using the mouse wheel.

2. Click Delete Mark-Up. A confirmation dialog box will appear.



3. Click Yes to delete the mark up.

Turning Mark Up Display On and Off

Mark Up Display can be turned on or off by switching the appropriate layer on or off.

To turn mark up display on and off:

1. Click the Layer option on the toolbar.



2. The Layers window will open.



3. Click the light bulb by Mark Ups to toggle Mark Up display on and off.

Undo, Cut, Copy, and Paste Options

The Undo, Cut, Copy, and Paste options can be accessed using the icons on the Toolbar.

- The Undo option enables users to undo the last actions in the drawing.

- Only specific types of things within In-Store Space Collaboration can be cut, copied, and pasted. For example, notes and mark-ups can be copied to the clipboard and then pasted back to the drawing in Top Graphical (Plan) view.
- Similarly, products can be cut, copied and pasted in Front Graphical and Shelf Graphical views.
- If the cut, copy and paste icons are grayed out, that means they are unavailable for that task.

Operating in the Drawing

Toolbar Options

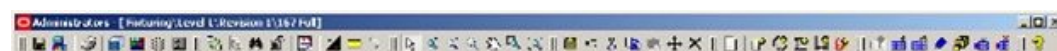
The user can affect how the drawing behaves by use of the provided controls.



Field	Operation
	Select
	Zoom In
	Zoom Out
	Zoom
	Pan
	Zoom Window
	Zoom to Extents

Select Tool

The Select Tool is the default selection.



When it is toggled on (depressed) objects may be selected in the drawing by left clicking on individual fixtures or fittings or by means of Crossing or Windows Selection Boxes.

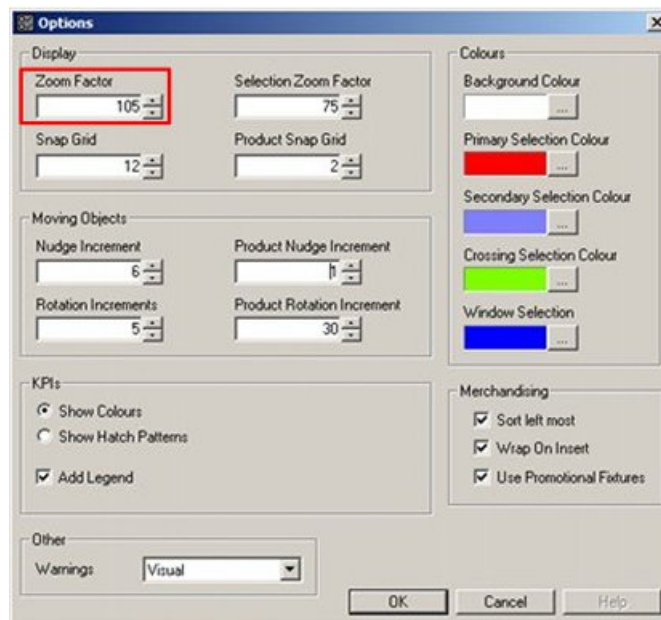
Zooming In

Zoom In will increase the magnification and hence the level of detail visible in the floor plans.



The center of the drawing will remain centered in the screen while zooming in.

This option is operated by clicking it. Each click will increase the scale of the drawing by the Zoom Factor set in the Options dialog box accessed from the toolbar.



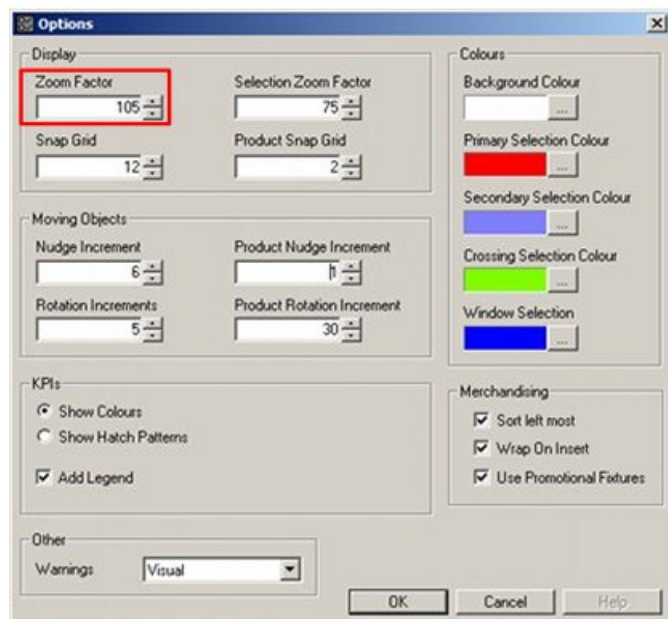
Note: zooming in can also be accomplished by rotating the mouse wheel.

Zooming Out

Zoom Out will decrease the magnification and hence the level of detail visible in the drawing.



This option is operated by clicking it. Each click will decrease the scale of the drawing by the Zoom Factor set in the Options dialog box accessed from the toolbar.



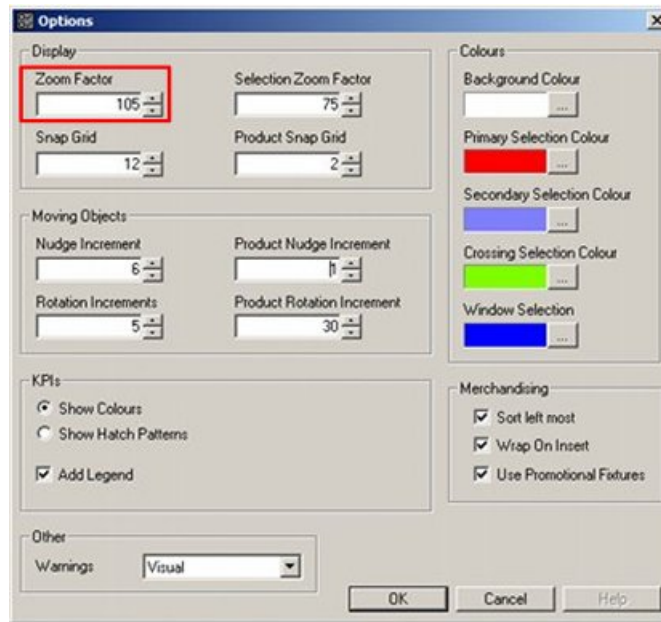
Note: zooming out can also be accomplished by rotating the mouse wheel.

Zoom Tool

When activated, each left or right button click will increase or decrease the scale of the drawing by the Zoom Factor set in the Options Window.



This option is operated by clicking it. Each mouse click will change the scale of the drawing by the Zoom Factor set in the Options dialog box accessed from the toolbar.



Note: The users can also zoom in/out by rotating the central wheel on the mouse.

Panning

Panning enables the user to move the visible part of the drawing left and right, or up and down.



This option is toggled on by clicking it. It is turned off by clicking on another option. When the option is selected, the mouse cursor will change to the Panning icon. The drawing can then be moved by holding down the left mouse button and dragging the drawing in the required direction.

Zoom Window

Zoom Window gives the user the option of magnify a selected portion of the current store plan.



This option is toggled on by clicking it. It is turned off automatically after the drawing has been zoomed to the selected area.

When this option is selected, the user will be asked to pick the first selection point in the prompt window in the status bar at the bottom of the screen. Select the point and left click to confirm it.

The user will then be prompted to select a second selection point. This will define a rectangle – black in the above example. Left click to confirm the second point and the screen will zoom to show the selected area.

Zoom to Extents

When **Zoom to Extents** is clicked in the toolbar the drawing will change scale so the full drawing can be seen at the largest possible scale in the Top Graphical View.



If any objects are selected in the floor plan, then the drawing will zoom to the extents that all selected fixtures can be seen.

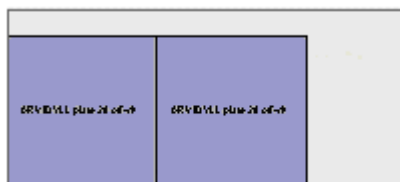
Front and Shelf Graphical Views

The Front Graphical View and Shelf Graphical view

The Front Graphical View window gives a view of the front of the selected fixture(s) and can be used to modify products and shelves on a fixture.



The Shelf Graphical View window gives a planned view of the selected shelf and can be used to move products on a shelf.



Front Graphical View

Front Graphical View

The Front Graphical View Window gives a view of the front of the selected fixture(s).

To access Front Graphical View:

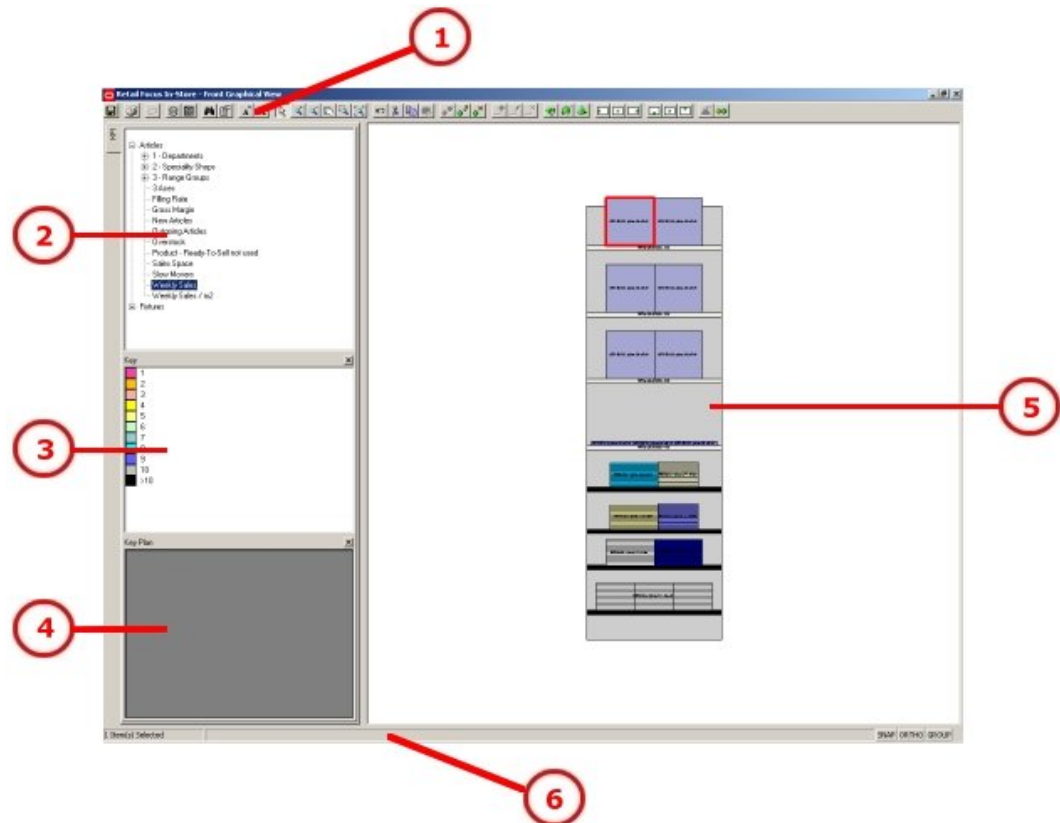
1. Select an appropriate fixture or fixtures.
2. Click Front Graphical View in the Top Graphical View toolbar. The Front Graphical View window opens.



This opens the Front Graphical View window displaying the selected fixture in front view.

Front Graphical View Window

Front Graphical View enables the user to modify products and shelves on a fixture. It can be used in conjunction with the Shelf Graphical View to configure many aspects of the shelves and products on that fixture.



- The Front Graphical Window contains a Toolbar (1), allowing actions to be selected by clicking on icons.
- The KPI Window (2) in the Object Browser allows the user to select a KPI to color code the currently selected fixture or merchandise.
- The Key Window (3) shows the significance of the colors used to code the currently selected fixture.
- The Key Plan window (4) is not active in Front Graphical View.
- The fixture, its shelves, and its associated products are shown in the Front View (5).
- The Status Bar (6) contains prompts about the current action and allows the Snap, Ortho and Group options to be toggled On and Off.

- If a KPI has not been selected, each product will be colored according to its definition in Product Studio of Macro Space Management and product images are not shown.

Front Graphical View Toolbar

The Front Graphical View Toolbar controls operations in the Front Graphical View.



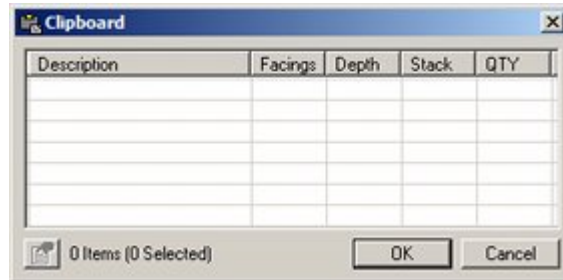
Field	Description
	Add Product
	Edit Product
	Delete Product
	Add Equipment
	Edit Equipment
	Delete Equipment
	Rotate around X axis
	Rotate around Y axis
	Rotate around Z axis
	Align to Left
	Align to Center
	Align to Right
	Align to Front
	Align to Middle
	Align to Back
	Place Product on Top
	Detect Clashes

Cut, Copy, and Paste in Front Graphical View

The cut, copy, and paste options can be used in conjunction with the clipboard to modify the products present on a shelf.

The Clipboard

The clipboard contains details of all products that have been cut or copied during the current In-Store Space Collaboration session. The clipboard is enabled if fixture, shelf or product is selected. Otherwise, the icon is grayed out.



Clicking on the Properties icon (highlighted in red) will bring up additional details on any highlighted items. The clipboard will be cleared of data when the user logs out at the end of their In-Store Space Collaboration session.

Cut Option

The cut option will only be enabled if products are selected. Otherwise, the icon will be grayed out. The cut option will remove any currently highlighted products from the shelf and copy them to the clipboard.

Copy Option

The copy option will only be enabled if products are selected. Otherwise, the icon will be grayed out. The copy option will place details of any currently highlighted products on the clipboard.

Paste Option

The paste option will only be enabled if first the parent shelf is selected (and highlighted).

1. To use the paste option:
2. Select the parent shelf.
3. Within the parent shelf, click to select a product.
4. Click Paste. The Clipboard window will open.
5. Select the required items in the clipboard and click OK – the selected items will be pasted to the shelf.

Adding, Editing, and Deleting Equipment in Front Graphical View

Equipment can be added to, edited on, or deleted from the active fixture using the Add, Edit, or Delete icons.

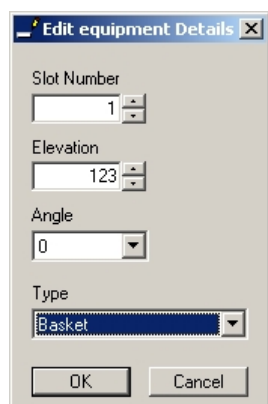
To add equipment:

1. Select the parent fixture.
2. Click Add Equipment. The Select Equipment dialog box will appear.



Note: Either use the search facility or navigate the hierarchy to select the item of equipment required.

3. Highlight the required equipment then click OK. The Edit Equipment Details dialog box will appear.



4. Set the required parameters and click OK. The equipment will be placed in the desired position.

Editing Equipment

To edit an item of equipment:

1. Select the equipment.
2. Click Edit Equipment. The Edit Equipment Details window opens.
3. Set the required parameters and click OK.

Deleting Equipment

To delete equipment:

1. Select the equipment.
2. Click Delete Equipment. The equipment will be deleted.

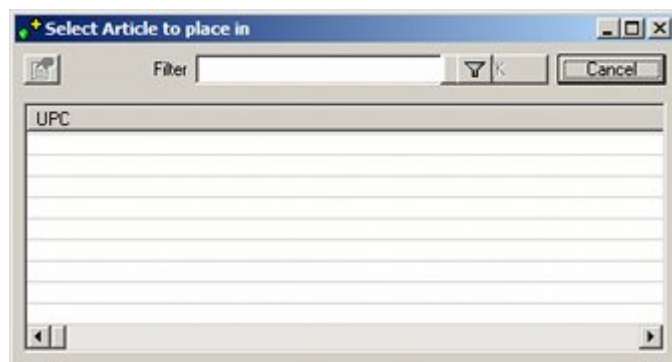
Note: Parent fixture cannot be deleted.

Adding, Editing, and Deleting Products in Front Graphical View

Products can be added to, edited on, or deleted from the active shelf using the Add, Edit, or Delete icons.

To add a product:

1. Select the parent shelf
2. Click Add Product. The Select Article to place in window opens.



3. Use the filters to select a range of possible products for the shelf.
4. Highlight the required product, and then click OK. The Edit Article window opens.
5. Select the product and click Edit Product. The Edit Article Details window opens.

Editing a Product

To edit a product:

1. Select the product.
2. Click Edit Product. The Edit Article Details window opens.

The first column displays information that relates to the product item (product), except for the MultiPack quantity, which is a property of the selected Display Style (Product, Multipack, Half Pallet, or Full Pallet). This information is read from the database and cannot be changed.

The next column allows the user to change the array size (facings, depth, stack), which will update the quantities accordingly. The minimum and maximum values for the spin buttons will be determined by the min/max values for the product display style; the increment will be set to 1 for each.

Note: The number in the Currently Placed text box indicates the number placed elsewhere in the store. This enables the user to see the total quantity placed in the store, as well as the number placed in this instance.

At present you cannot place products in a non-regular array. If you wish to do so, you will have to place the same product more than once.

The third column details the crush factor and the total dimension occupied by the product. The total is calculated from the product dimensions and the number of instances of the product placed.

Clicking on the Properties button (highlighted in red) will call the Properties dialog for the selected product.

Deleting a product

To delete a product:

1. Select the product to be deleted.

2. Click Delete Product. The product will be deleted.

Selecting Products and Equipment in Front Graphical View

Selecting Products

To select products in shelf graphical view:

1. Click to select a product. The first item that is selected will be highlighted using the primary selection color (as defined in the Options dialog box); subsequent selected items will be highlighted using the secondary selection color.

Note: Products can be de-selected from the selection set by clicking on them one more. Clicking on the first product selected in a selection set will de-select all products in that selection set. Pressing the Esc key will have a similar effect.

2. If the user clicks on another product, it will select the new one and de-select the previously selected one. Clicking on a currently selected product will remove it from the selection set.
3. The status bar will indicate how many are selected.

Selecting Shelves

To select shelves in shelf graphical view:

1. Shelves can be selected clicking on them. (They cannot be selected if any products are currently selected).
2. Products can be selected once a shelf is selected. This will make them available for (for example) alignment operations.
3. Press the Esc key to de-select all objects in that selection set.

Moving Shelves in Front Graphical view

A shelf is moved in Front Graphical View by:

- Nudging
- Using the edit equipment window

Nudging

To move a shelf by nudging:

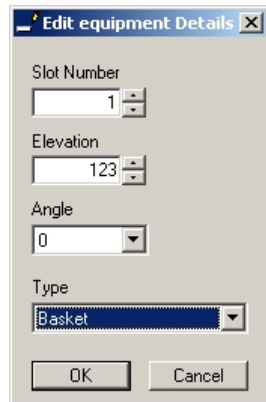
1. Select the shelf.
2. Use the cursor keys to move the equipment.

Note: Only one item of equipment can be nudged at a time.

Edit Equipment window

To move a shelf using Edit Equipment window:

1. Select the fixture or shelf to be moved.
2. Click Edit Equipment. The Edit Equipment Details window will open.



3. Edit the details as required then click OK.

Moving Products in Front Graphical View

A product is moved in Front Graphical View by:

- Dragging and dropping
- Nudging

Dragging and Dropping

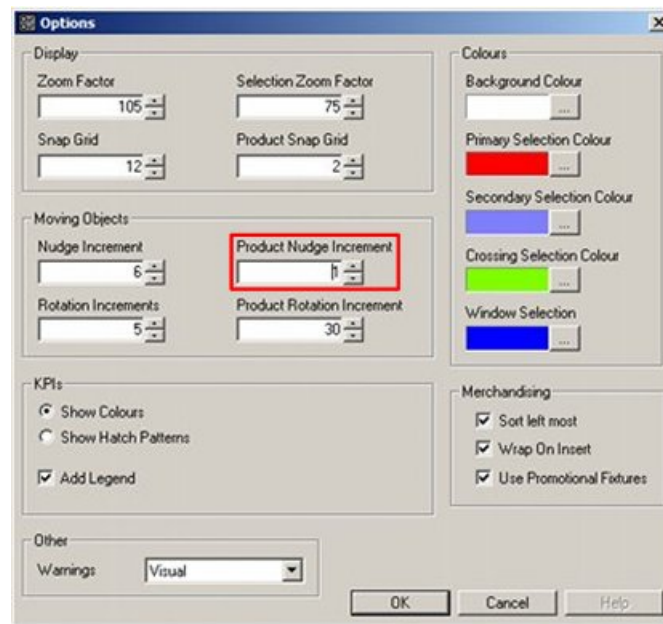
To move a product by dragging and dropping:

1. Click the product to select it.
2. Move the mouse cursor inside it and hold down the left mouse button.
3. Drag the product to where it is wanted and release the left mouse button. The product will be dropped in its new position.

Note: Only one item can be dragged and dropped at the time. If multiple products are selected, drag and drop will not work.

Nudging

Select one or more products to be moved by clicking on them. They can then be moved up, down, left or right by the cursor keys. Only one item can be nudged at a time. The amount the item will be nudged depends on the Product Nudge Increment setting in the Options dialog box accessed from the toolbar.

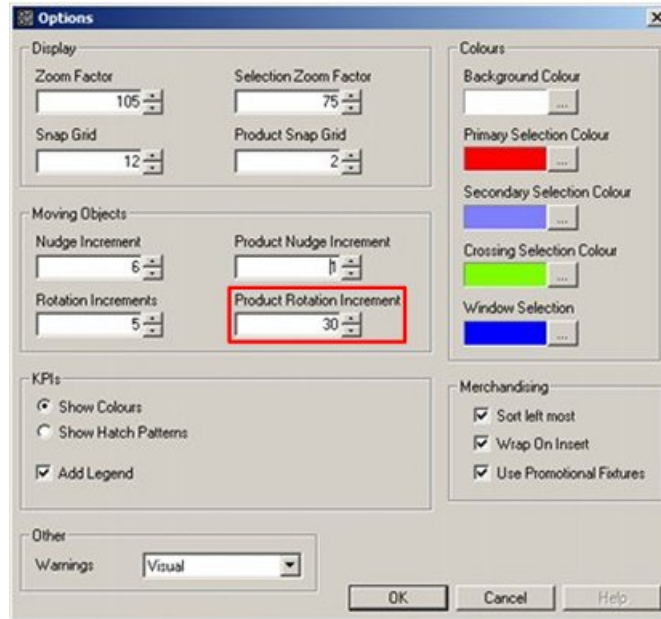


Rotating Products in Front Graphical View

Products can be rotated in the X, Y or Z planes by selecting them, then clicking on the appropriate rotation in the toolbar.

Field	Description
	Rotate in X plane
	Rotate in Y plane
	Rotate in Z plane

The rotation increment is set in the Options dialog. The default value is 90°.



The rotate buttons will only be enabled if one product is selected.

- Rotating the object around the X axis is equivalent to tilting an object, so that its top or bottom can be viewed from the front.
- Rotating the object around the Y axis is equivalent to laying an object on its side.
- Rotating the object around the Z axis is equivalent to turning an object, so that side can be viewed.

The position of the product will be adjusted after rotation so that the product remains on the shelf/peg/rod.

Aligning Products in Front Graphical View

Products can be aligned on the shelf in both the X (left to right) and Y (front and back) directions by clicking on the appropriate icons in the toolbar.



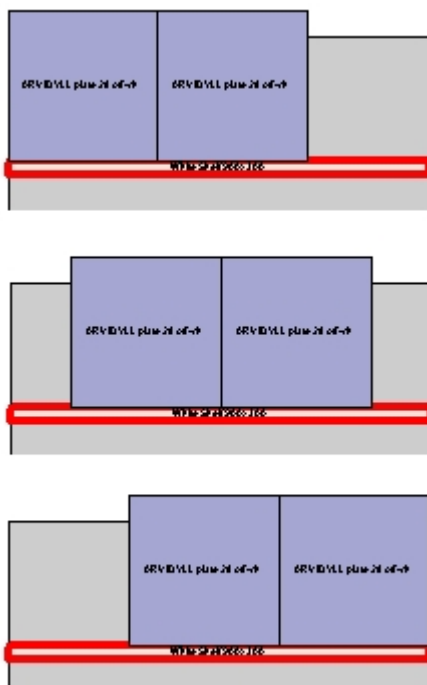
Field	Description
	Align to Left
	Align to Center
	Align to Right
	Align to Front

Field	Description
	Align to Middle
	Align to Back

There are two ways of using the functionality: selecting the parent shelf and selecting individual products.

Selecting the parent shelf

Select the parent shelf by clicking on it. It will become highlighted. All the products on the shelf will then align according to the alignment option selected. Alignments are sequential. For example to get all products aligned to the left, rear of the shelf click on align to left then click on align to rear.



In the example above:

- The top image shows products left aligned.
- The middle image shows products center aligned.
- The bottom image shows products right aligned.

Selecting individual products

Individual products are aligned by nudging or by dragging and dropping.

Note: This functionality has not been fully enabled in this release and aligning one or more products by selecting them and clicking on the alignment buttons may have unpredictable effects.

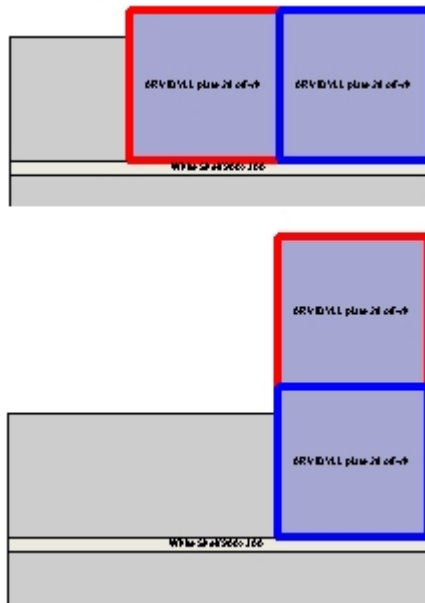
On Top in Front Graphical View

The On Top option allows users to place one product on top of another.



To place a product on top of another:

1. Select a product already existing on the fixture. This will be highlighted in the first selection color.
2. Then select a second product. This will be highlighted in the second selection color.
3. Click On Top to place the first selected product on top of the second selected product.



By default, it will position the product so that it is centered on the bottom product. Products can then be moved by nudging or by dragging and dropping.

Note: Alignment is not fully implemented in this release, so there may be issues aligning products placed on top of each other.

Gravity is not implemented, i.e. if the bottom product is moved or deleted, the top product will remain in the same position.

Clash in Front Graphical View

The **Clash** option is found to the right of the toolbar. The Clash button is a toggle button.



Clash will be enabled when pressed in and disabled when unpressed.

When clash is enabled, it will prevent articles overlapping, it will also assist the user in lining up articles so that they adjoin each other, although the snap functionality will override this, if enabled.

Note: This functionality is not enabled in this release. If items are aligned, they may overlap.

Shelf Graphical View

Accessing Shelf Graphical View

To access **Shelf Graphical View** you must first be in the Front Graphical View window.

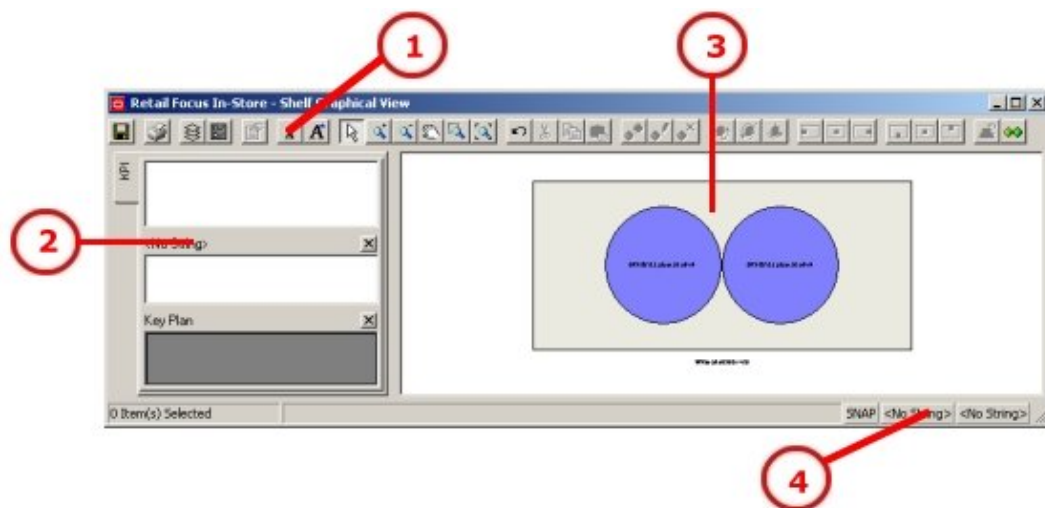
1. Select the shelf.
2. Click Shelf Graphical View in the Front Graphical View toolbar.



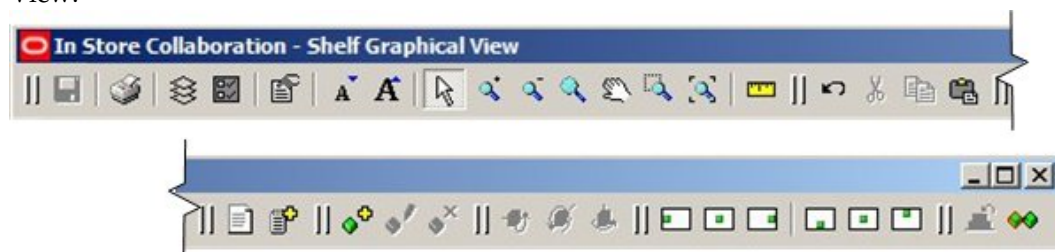
The **Shelf Graphical View** window opens.

The Shelf Graphical View Window

Shelf Graphical View enables the user to move products on a shelf, using top view; particularly useful if objects need to be moved behind other objects on a shelf.



- The Shelf Graphical Window (1) contains a Toolbar, allowing actions to be selected by clicking on icons.
- The Object Browser (2) gives information on current activities.
- The shelf and its associated products (3) are shown in the Top View.
- The Status Bar (4) contains prompts about the current action and allows the Snap, Ortho, and Group options to be toggled On and Off.



Field	Description
	Save
	Print
	Layers
	Options
	Properties
	Decrease Text Size
	Increase Text Size
	Select
	Zoom In
	Zoom Out
	Pan
	Zoom Window
	Zoom to Extents
	Undo
	Cut
	Copy
	Paste
	Add Product
	Edit Product

Field	Description
	Delete Product
	Rotate around X axis
	Rotate around Y axis
	Rotate around Z axis
	Align to Left
	Align to Center
	Align to Right
	Align to Front
	Align to Middle
	Align to Back
	Place Product on Top
	Detect Clashes

Cut, Copy, and Paste in Shelf Graphical View

The cut, copy, and paste options can be used in conjunction with the clipboard to modify the products present on a shelf.

The Clipboard

The clipboard contains details of all products that have been cut or copied during the current In-Store Space Collaboration session. The clipboard will only be enabled if a shelf is selected, or of a shelf then a product is selected. Otherwise the icon will be grayed out.

Clicking on the Properties icon (highlighted in red) will bring up additional details on any highlighted items. The clipboard will be cleared of data when the user logs out at the end of their In-Store Space Collaboration session.

Cut Option

The cut option will only be enabled if products are selected. Otherwise, the icon will be grayed out. The cut option will remove any currently highlighted products from the shelf and copy them to the clipboard.

Copy Option

The copy option will only be enabled if products are selected. Otherwise, the icon will be grayed out. The copy option will place details of any currently highlighted products on the clipboard.

Paste Option

The paste option will only be enabled if first the parent shelf is selected (and highlighted).

To use the paste option:

1. Select the parent shelf.
2. Within the parent shelf, click to select a product.
3. Click Paste. The Clipboard window will open.
4. Select the required items in the clipboard and click OK – the selected items will be pasted to the shelf.

Adding, Editing, and Deleting Products in Shelf Graphical view

Products can be added to, edited on, or deleted from the active shelf using the Add, Edit, or Delete icons.

To add a product:

1. Select the parent shelf
2. Click Add Product. The Select Article to place in window opens.
3. Use the filters to select a range of possible products for the shelf.
4. Highlight the required product, and then click OK. The Edit Article window opens.
5. Select the product and click Edit Product. The Edit Article Details window opens.

Editing a Product

To edit a product:

1. Select the product.
2. Click Edit Product. The Edit Article Details window opens.

The first column displays information that relates to the product item (product), except for the MultiPack quantity, which is a property of the selected Display Style (Product, Multipack, Half Pallet, or Full Pallet). This information is read from the database and cannot be changed.

The next column allows the user to change the array size (facings, depth, stack), which will update the quantities accordingly. The minimum and maximum values for the spin buttons will be determined by the min/max values for the product display style; the increment will be set to 1 for each.

Note: The number in the Currently Placed text box indicates the number placed elsewhere in the store. This enables the user to see the total quantity placed in the store, as well as the number placed in this instance.

At present you cannot place products in a non-regular array. If you wish to do so, you will have to place the same product more than once.

The third column details the crush factor and the total dimension occupied by the product. The total is calculated from the product dimensions and the number of instances of the product placed.

Note: Crush factors are not enabled in this release.

Clicking on the Properties button (highlighted in red) will call the Properties dialog for the selected product.

Deleting a product

To delete a product:

1. Select the product to be deleted.
2. Click Delete Product. The product will be deleted.

Selecting Products and Shelves in Shelf Graphical View

Products

To select products in shelf graphical view:

- Click to select a product. The first item that is selected will be highlighted using the primary selection color (as defined in the Options dialog box); subsequent selected items will be highlighted using the secondary selection color.

Note: Products can be de-selected from the selection set by clicking on them one more time. Clicking on the first product selected in a selection set will de-select all products in that selection set. Pressing the Esc key will have a similar effect.

- If the user clicks on another product, it will select the new one and de-select the previously selected one. Clicking on a currently selected product will remove it from the selection set.
- The status bar will indicate how many are selected.

Shelves

To select shelves in shelf graphical view:

- Shelves can be selected clicking on them. (They cannot be selected if any products are currently selected).
- Products can be selected once a shelf is selected. This will make them available for (for example) alignment operations.
- Press the Esc key to de-select all objects in that selection set.

Moving Products in Shelf Graphical View

There are two ways of moving products in Shelf Graphical View:

- Dragging and dropping
- Nudging

Dragging and Dropping

To move a product by dragging and dropping:

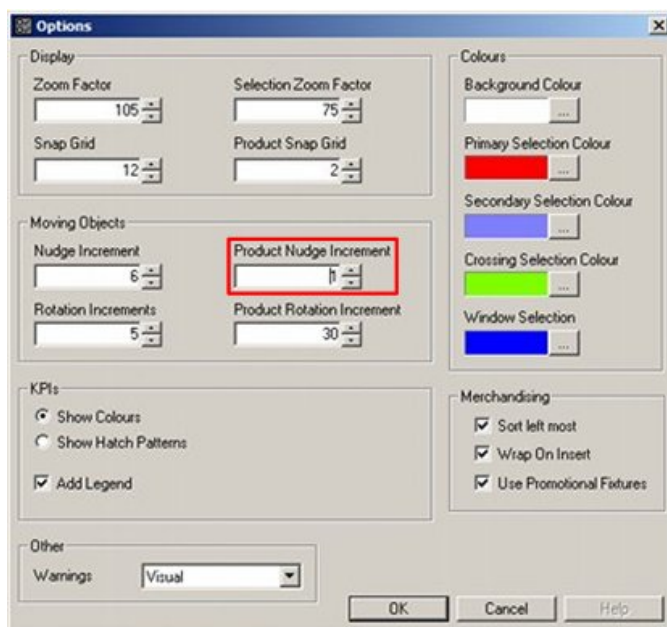
1. Select the product.
2. Move the mouse cursor inside it and hold down the left mouse button.
3. Drag the product to where you want to place it and release the left mouse button. The product will be dropped in its new position.

Note: Only one item can be dragged and dropped at a time. If multiple products are selected, drag and drop does not work.

Nudging

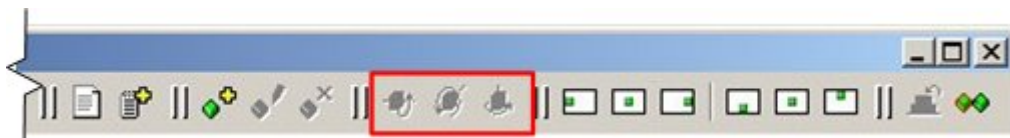
Select one or more products to be moved by clicking on them. They can then be moved up, down, left or right by the cursor keys.

Note: The amount the selected product(s) move on each nudge is set in the options dialog box by changing the Product Nudge Increment.



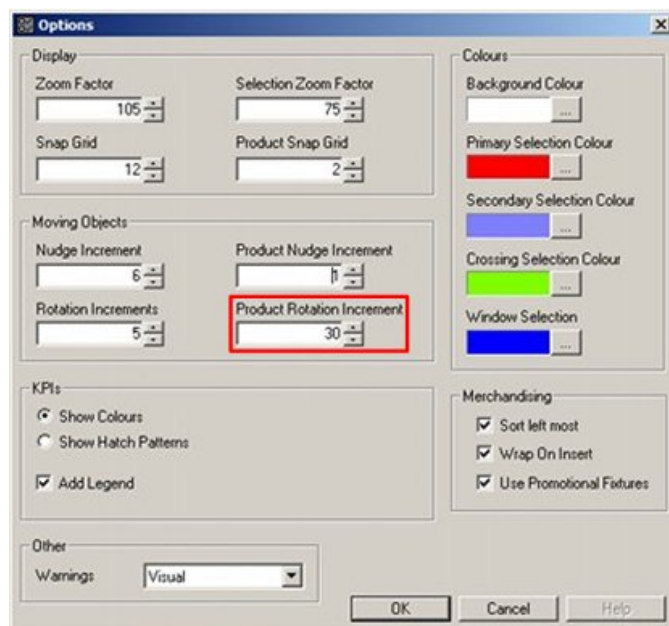
Rotating Products in Shelf Graphical View

Products can be rotated in the X, Y, or Z planes by selecting them, then clicking on the appropriate rotation in the toolbar.



Field	Description
	Rotate in X plane
	Rotate in Y plane
	Rotate in Z plane

The rotation increment (normally 90°) is set in the Options dialog.



The rotate buttons will only be enabled if one product is selected.

- Rotating the object around the X axis is equivalent to tilting an object, so that its top or bottom can be viewed from the front.
- Rotating the object around the Y axis is equivalent to laying an object on its side.
- Rotating the object around the Z axis is equivalent to turning an object, so that side can be viewed.

The position of the product will be adjusted after rotation so that the product remains on the shelf/peg/rod.

Aligning Products in Store Graphical View

Products can be aligned on the shelf in both the X (left to right) and Y (front and back) directions by clicking on the appropriate icons in the toolbar.

Field	Description
	Align to Left
	Align to Center
	Align to Right
	Align to Front
	Align to Middle
	Align to Back

There are two ways of using the functionality:

- Selecting the parent shelf
- Selecting individual products

Selecting the parent shelf

Select the parent shelf by clicking on it. It will become highlighted. All the products on the shelf will then align according to the alignment option selected. Alignments are sequential. For example, to get all products aligned to the left, rear of the shelf click on align to left then click on align to rear.



In the example above:

The top image shows products aligned center, middle.

The middle image shows products aligned left, rear.

The bottom image shows products aligned front, right.

Selecting individual products

Individual products are aligned by nudging or by dragging and dropping.

Note: This functionality has not been fully enabled in this release and aligning one or more products by selecting them and clicking on the alignment buttons may have unpredictable effects.

On Top in Shelf Graphical View

The On Top option allows users to place one product on top of another. The user starts by selecting a product. This will be highlighted in the first selection color. The user then selects a second product; this will be highlighted in the second selection color. Clicking

on the On Top button will then place the first selected product on top of the second selected product.



By default, it will position the product so that it is centered on the bottom product. The alignment buttons can then be used to align the top relative to the bottom one. Alternatively, products can be moved by nudging or by dragging and dropping.

Note: Alignment is not fully implemented in this release, so there may be issues aligning products placed on top of each other.

Gravity is not implemented, i.e. if the bottom product is moved or deleted, the top product will remain in the same position.

Clash in Shelf Graphical View

The Clash option is found to the right of the toolbar. When clash is enabled, it will prevent articles overlapping, it will also assist the user in lining up articles so that they adjoin each other, although the snap functionality will override this, if enabled.



Note: This functionality is not enabled in this release. If items are aligned, they may overlap.

Schematic Preview

Schematic Preview

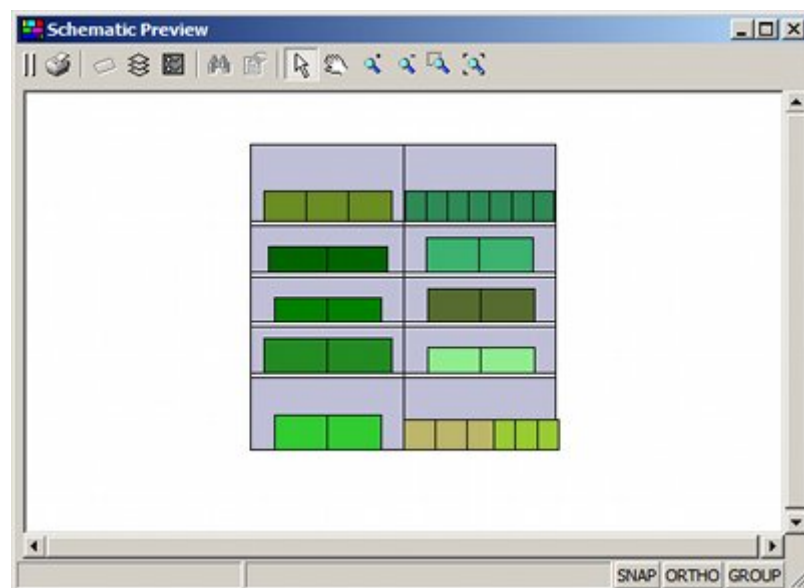
The Schematic (Planogram) Preview Window

The Schematic Preview Window can be used to display the planogram present on a fixture selected in top graphical view. It shows the parent fixture, shelf objects and merchandise present. The view is read only.

The view is accessed by first clicking on the fixture with the placed planogram to select it. The Schematic Preview icon in the toolbar will then become active.



Click Schematic Preview. The Schematic Preview window will open.



The size of the image can be changed by zooming on or out (using either the mouse or the toolbar options).

The position of the image can be changed by panning (using either the mouse or the toolbar option).

It is also possible to zoom to the extents of the schematic preview or selected objects in the preview.

Keyboard and Mouse Shortcuts in the Schematic Preview Window

The following keyboard shortcuts can be used.

Short Cut	Description
<Ctrl + S>	Save

Short Cut	Description
<Ctrl + P>	Print
<Ctrl + F>	Display the Find dialog
<Ctrl + L>	Display the Layers dialog
<Ctrl + O>	Display the Options dialog
<Ctrl + > >	Zoom In
<Ctrl + < >	Zoom Out
<Ctrl + E>	Zoom to Extents of the drawing
<Ctrl + W>	Zoom Window
<the Esc key>	Clear the current selection
Cursor Keys	Pan Left, Right, Up and Down

The following **mouse shortcuts** can be carried out using the keys and wheel.

Short Cut	Description
Mouse Click	Select/De-select Fixtures
Mouse Wheel Up	Zoom In (relative to mouse pointer position)
Mouse Wheel Down	Zoom Out (relative to mouse pointer position)
Mouse Wheel Drag	Pan

The Schematic Preview Toolbar

The **Toolbar** at the top of the Schematic Preview Window allows a number of operations to be carried out within the window.



Field	Description
	Print
	Shelf view (Disabled in Schematic Preview.)
	Layers
	Options
	Find
	Properties
	Select
	Zoom In
	Zoom Out
	Pan
	Zoom Window
	Zoom to Extents

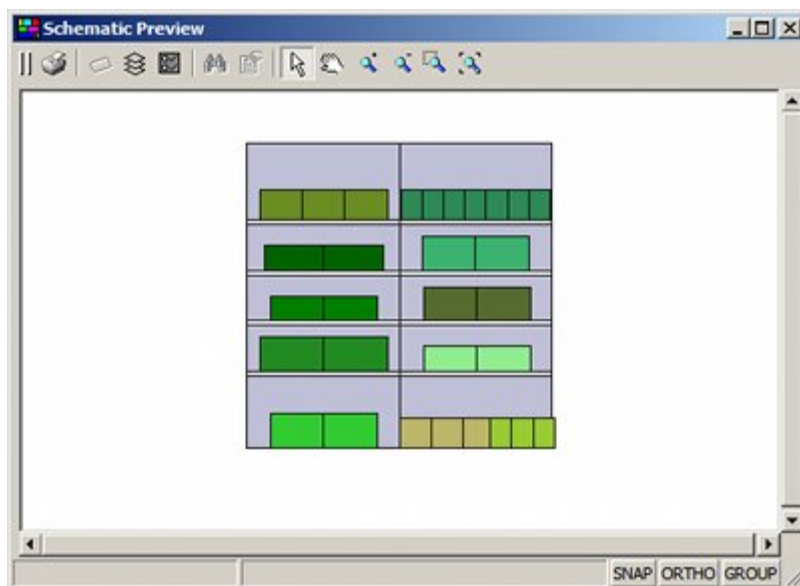
Operations in the Schematic Preview Window

The Properties Window

It is possible to get more information on a fixture, fitting, or placed product in the planogram by clicking on the required object to highlight it.

You can select an object in the following ways:

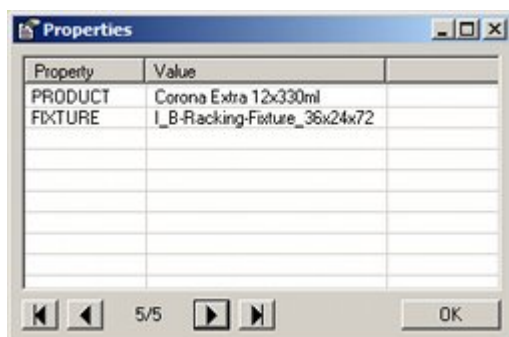
- **Window Selection:** Window Selection only selects objects that the window completely encloses. To use Window Selection, select a start point then move the cursor right.
- **Crossing Selection:** Crossing Selection selects every object that the window encloses or crosses. To use Crossing Selection select a start point then moves the cursor left.



Only similar type of objects can be selected at any one time. For example, if a fixture is the first object selected, then only fixtures can be selected if further selections are made. Selected objects will be highlighted. Selection sets can be cancelled by means of the Esc key or by clicking on the first selected object.

Note: If Grouping is on, then clicking on a shelf will select all objects on the shelf. Clicking on a fixture will select all objects on the fixture.

Click the Properties Icon. The Properties window will open, which will contain more information on the selected objects.

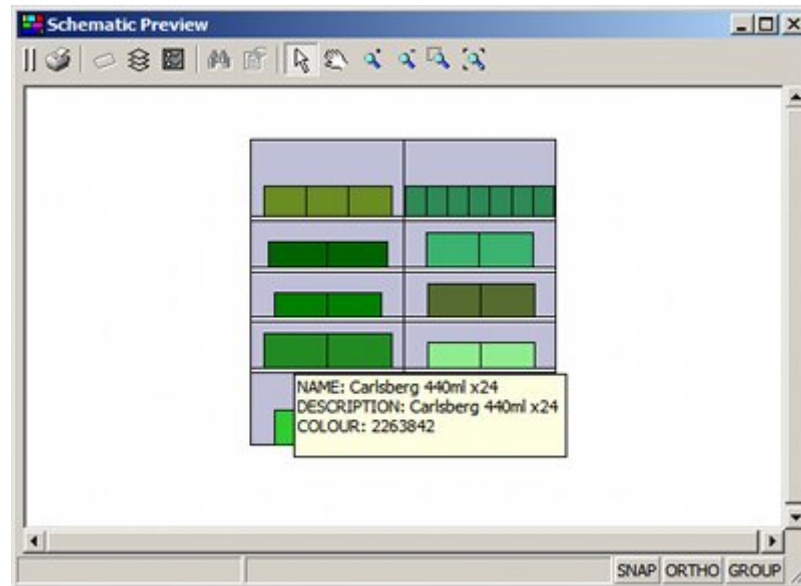


The number of objects can be seen at the bottom of the window. The arrowheads allow the user to move through the records.

Field	Description
	Go to first record
	Go to previous record
	Go to next record
	Go to last record

Tooltips

Hovering over a fixture, fitting or placed product will bring up a tooltip giving brief information as to what the object is.



Note: Contact Oracle Customer Support to customize the tooltips.

Fixturing

Overview of Fixturing

Fixturing Options

Fixturing Operations can be activated by clicking on the Fixturing Tab in the Object Browser. These changes the toolbar to options associated with fixturing.



Fixturing operations in In-Store Space Collaboration allow some (but not all) of the operations possible in Macro Space Management to be carried out.

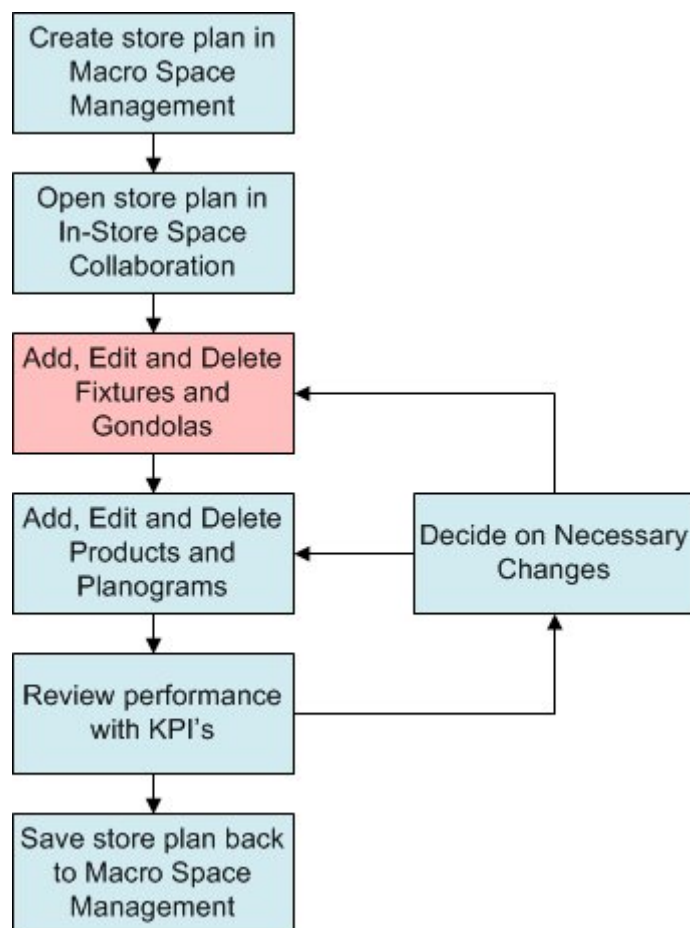
Note: Fixturing activities that can only be carried out in Macro Space Management include:

- Creation of fixtures, fitting and gondolas.
- Editing the properties of those fixtures, fittings and gondolas.
- Creating and maintaining the hierarchical tree of fixtures, fittings and gondolas.

Fixturing Process Flow

The following figure illustrates the process flow for Macro Space Management and In-Store Space Collaboration. It provides a high level overview of where the Fixturing Module fits in the process flow.

The **Fixturing Process Flow** is as follows:



Once the drawing is open, fixtures, fittings, and gondolas can be added, edited, and deleted.

Once the arrangement of fixtures, fittings, and gondolas are set to your satisfaction, they can be populated with merchandise, and the result assessed using Key Performance Indicators (KPI's).

Basic Concepts for Fixturing

Fixtures, Fittings, and Shelves

Fixtures and fittings are often color coded as to purpose. For example, fixtures holding groceries might be drawn in green, fixtures holding chilled goods in blue.

Field	Description	Example
Fixtures	A fixture is a structure designed to hold products for sale. A fixture can hold product directly, or via shelves.	A fixture can hold product directly, or via shelves. A shelf always has a parent fixture. For example, runs of shelving, display cabinets, and kiosks.
Fittings	Fittings are items within a store that aid the retail effort,	For example a shelving unit could be made up of

Field	Description	Example
	but do not themselves hold merchandise. Some fittings are used to support or augment fixtures. Fittings always remains as a separate items on the drawing, (and can be hidden from view using the Hide Fittings command).	support legs, (a fitting), and shelves, (a fixture). Examples are display material and checkout counters.
Shelves	It can be described as equipment within a fixture which can hold a product. Each shelf or fixture always has a product base associated with it. This serves as a placeholder for any merchandise placed on it.	For example a backboard might hold several support bars. The support bars could in turn have rods attached. Product could then be hung from those rods. The arrangement of rods emanating from a single support bar is generically called a shelf for planning purposes.

Gondolas

A Gondola is an arrangement made up from two or more fixtures (and associated fittings) linked together by means of connection points or in sufficiently close proximity to meet the definition of adjacency. An example might be a run of 10 fixtures placed back to back, with end caps on each end to maximize the area devoted to sales.

Gondolas are internally sub-divided into sections, each new section beginning where fixtures go through more than a 30o change of angle when connected.

Gondolas are often color coded as to purpose. For example, gondolas holding groceries might be drawn in green, fixtures holding chilled goods in blue.

Insertion Points

The point where a fixture, fitting, or gondola is located on the drawing is called the Insertion Point. It can be designated anywhere within the fixture during the creation stage within Macro Space Management.

Insertion points are visible in In-Store Space Collaboration.

Layers

Drawings can be divided into layers. Each layer contains a specific type of information. For example, one layer might contain information on fixtures, and another might contain data on electrical wiring.

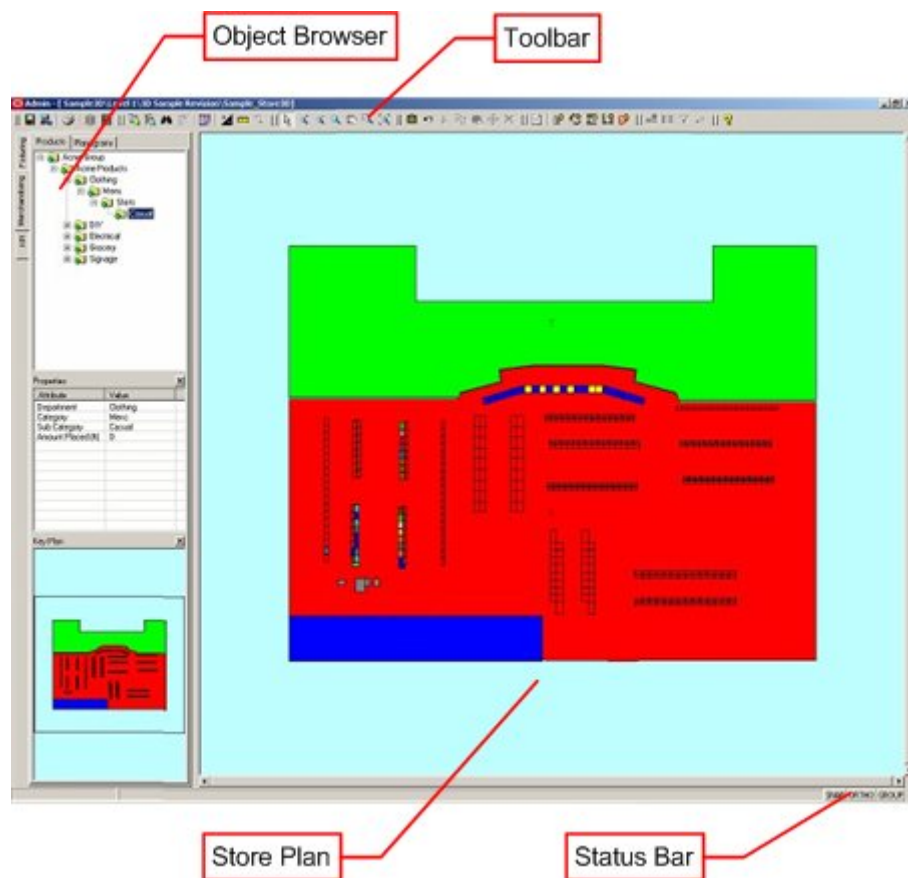
Layers can be further sub-divided into aliases. Each alias will contain very specific information. For example, one alias might contain details of all the fixtures capable of holding chilled goods, and another might contain all fixtures holding fruit, and vegetables.

Layers are one method used by Macro Space Management to filter fixtures, planograms, etc.

Fixturing Toolbar and Object Browser Window

Overview of Fixturing on the Object Browser

The In-Store Space Collaboration window gives access to every component the user has permission to use.



The Toolbar

Located at the top of the window, the toolbar gives access to a wide range of functions associated with fixture and gondola operations. Exactly which functions are accessible will depend on the user's access rights.

The Object Browser

The Object Browser enables the user to switch between Fixturing, Merchandising and Performance Measuring options.

Windows within the Object Browser give further information on the objects currently selected.

The Store Plan

The Store Plan is a plan view of a selected floor within a store. Depending on the selections made the user can added, edit and delete fixtures, fittings and gondolas.

The Status Bar

The Status Bar is located at the bottom of the window. It serves two purposes:

- 1. It allows the options such as Snap, Ortho and Group to be toggled On and Off.
- 2. It gives information on the objects selected and the next action required to manipulate them.

The Fixturing Toolbar



The Fixturing tool bar is found on the main toolbar. It is selected by clicking on Fixtures in the Fixturing Tab. It contains a series of icons allowing various operations to be carried out on Fixtures. Some may be grayed out if they are not available for that operation.

Field	Description
	Add Fixture
	Swap Equipment
	Rotate Fixture
	Fixture Attributes
	Resize Fixture
	Make Promo Fixture
	Make Standard Fixture

The Gondolas Toolbar

The Gondolas tool bar is found on the main toolbar. It is selected by clicking on Gondolas in the Fixturing Tab of the Object Browser.

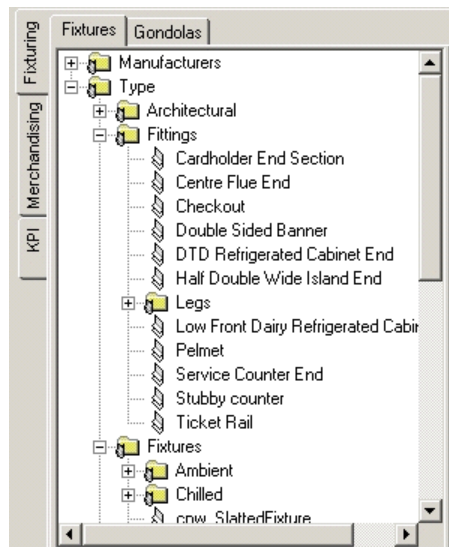


It contains a series of icons allowing various operations to be carried out on Gondolas. Some may be grayed out if they are not available for that operation.

Field	Description
	Add Gondola
	Rotate Gondola

The Fixtures Hierarchy Window

The Fixtures tab is the default tab under Fixturing. The Fixtures tab displays the Fixtures Hierarchy Window.



The fixtures hierarchy tree shows the list of fixtures that can be placed in the store plan. It is configured in Macro Space Management and cannot be changed in In-Store Space Collaboration.

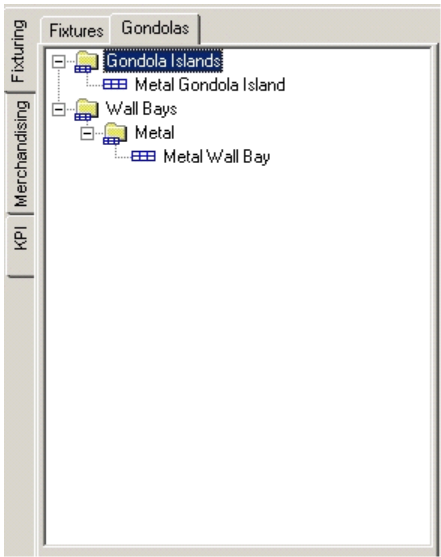
Field	Description
	Folder containing fixtures
	Fixture

Horizontal and vertical scroll bars will be displayed if the hierarchical tree is larger than the extents of the window.

Click + to expand, and - to collapse the hierarchy.

The Gondolas Hierarchy Window

The Gondolas tab displays the Gondolas Hierarchy.



The gondolas hierarchy tree shows the list of gondolas that can be placed in the store plan. It is configured in Macro Space Management and cannot be changed in In-Store Space Collaboration.

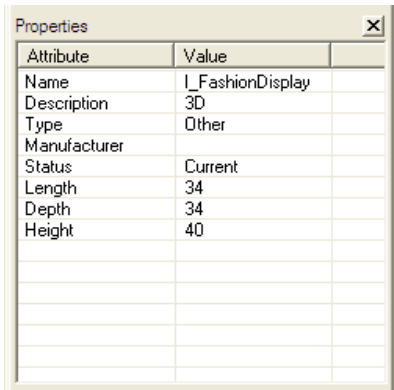
Field	Description
	Folder containing gondolas
	Gondola

Horizontal and vertical scroll bars will be displayed if the hierarchical tree is larger than the extents of the window.

Click + to expand, and - to collapse the hierarchy.

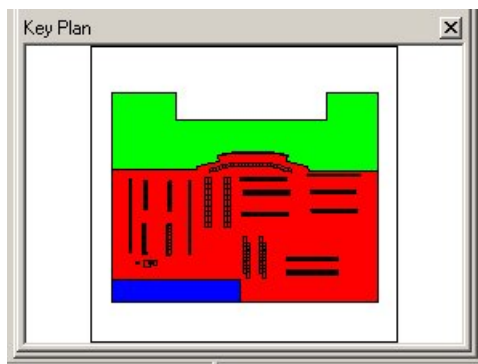
The Properties Window

The Properties Window contains details of the currently selected fixture or gondola. The list of properties displayed is configurable within Macro Space Management. The currently displayed properties can be refreshed by clicking on another fixture of gondola.



The Key Plan Window

The Key Plan Window shows which part of the drawing is currently being viewed.



Fixture Operations

Selecting Fixtures

There are three ways to select fixtures for further operations (such as moving or rotating) from within the drawing.

- Individual Selection
- Crossing Selection
- Window Selection

Individual Selection

Individual Selections are made by left clicking on fixtures to select them.

Crossing Selection

A Crossing Selection is made using a selection box where the cursor is moved to the left of the original selection point. Crossing Selections have a dotted outline and include all fixtures totally or partially within the selection box.

Window Selection

A Window Selection is made using a selection box where the cursor is moved to the right of the original selection point. Window Selections have a solid outline and only include fixtures totally within the selection box.

Note: The colors of the outlines of the Crossing or Window Selection Boxes, together with the colors for the first and subsequently selected fixtures can be customized in the Colors Frame of the Options Window.

Cancelling Selection of Fixtures

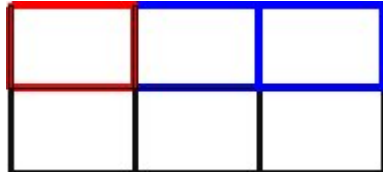
Where fixtures have been pre-selected for other operations, selection can be cancelled in two ways:

- Individually clicking on fixtures
- Using the Esc Key

Individually clicking on fixtures

When multiple fixtures are selected, the initial fixture selected will be highlighted in one color; the second and subsequent fixtures in a different color.

Note: the colors for the first and subsequently selected fixtures are specified in the Options dialog box.



1. If the initial fixture in the selection set (differentiated by its color) is clicked for a second time, all selected fixtures will be de-selected.
2. If any other fixture in the selection set is clicked for a second time, only that fixture will be removed from the selection set.

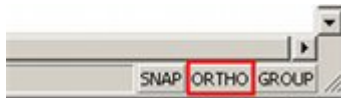
As fixtures are removed from the selection set, their highlighting will also be removed.

Using the Esc Key

Clicking on the Esc key cancels all selections.

Effect of Ortho Option on Fixture Operations

The Ortho button is found to the right hand side of the Status Bar.



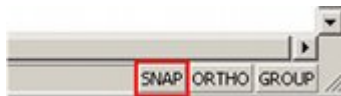
When enabled, it will ensure that operations can only be carried out in orthogonal directions: (0, 90, 180 and 270 degrees). The Ortho option can be toggled on and off by clicking on the button. When the Ortho option is On, the button will appear depressed.

Effect of using Ortho Option

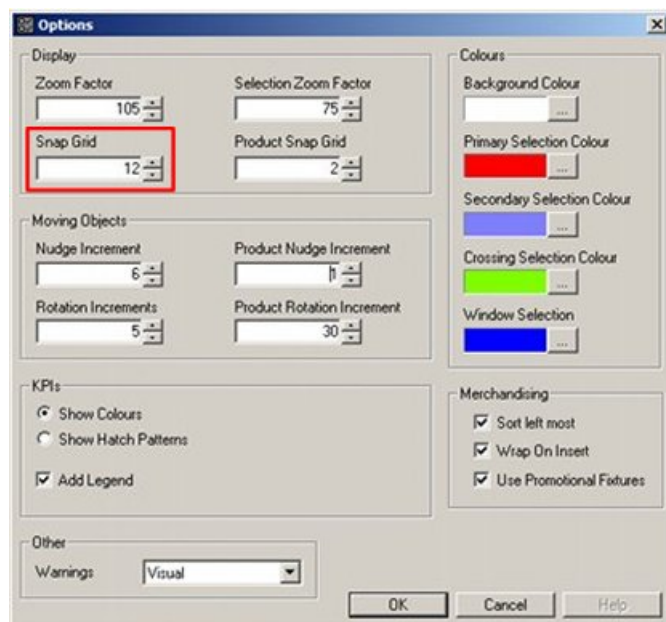
When fixtures are added, the angles they can be placed at are restricted to 0, 90, 180 and 270 degrees. Similarly, if fixtures already in the floor plan are rotated, the angles they can be rotated to are restricted to 0, 90, 180 and 270 degrees.

Effect of Snap Option on Fixture Operations

The Snap button is found to the right hand side of the Status Bar.

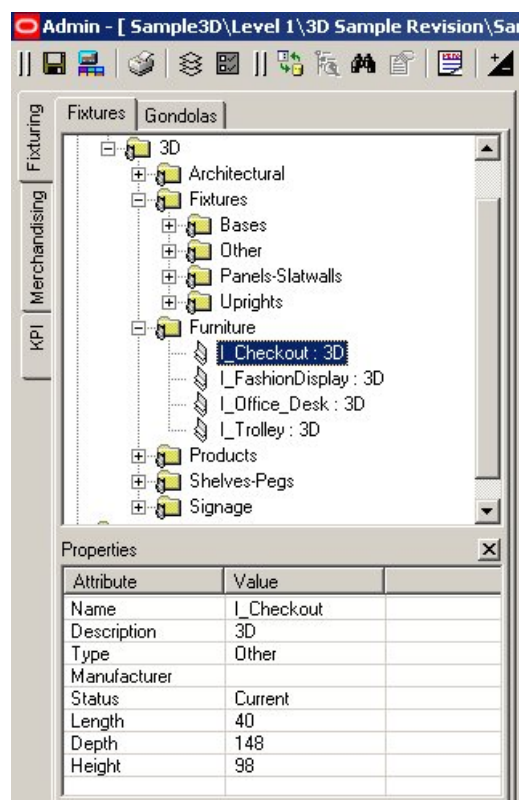


When enabled, it will ensure that fixtures can only be added or moved to discrete locations - the distances between these points being set by the snap grid option in the Options dialog box accessed from the toolbar. The Ortho option can be toggled on and off by clicking on the button. When the Ortho option is On, the button will appear depressed.



Adding Fixtures

Adding Fixtures to the drawing is achieved by selecting the required fixture from the Fixture Hierarchical Tree in the Object Browser.



To add a fixture:

1. On the Fixtures tab, select a fixture from the Fixture Hierarchical Tree.
2. Click Add Fixture.

3. Click an area to choose the insertion point.
4. Move the cursor to choose the rotation angle.
5. Click to confirm the rotation angle. The fixture will be inserted at that point, and at the angle set.
6. If the fixture is defined as stretchable in Macro Space Management, the Edit Size window will open, allowing you to customize the size of the fixture.



7. Click OK to complete the insertion of the fixture.

Moving Fixtures

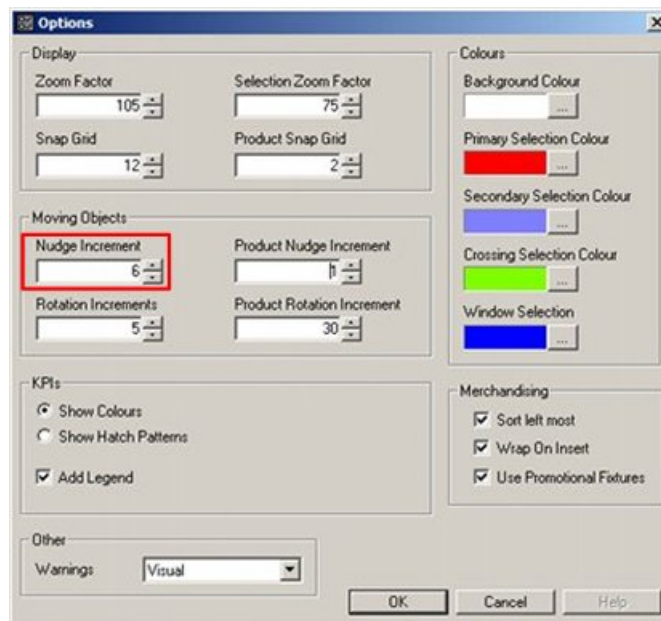
Fixtures can be moved in the following three ways:

- Using the keyboard cursor keys
- Using the move option on the toolbar
- Moving by dragging and dropping

Using the keyboard cursor keys

Once fixtures have been selected, the keyboard cursor keys may be used to move the selected fixtures up, down, left, or right.

The distance moved for each key press will depend on the setting in the Nudge Increment box in the Moving Objects frame of the Options Window.



Using the move option on the toolbar

Alternatively, once selected the fixtures may be moved by using the move option in the Fixturing toolbar.

To move a fixture using the move option:

1. Select the fixture to move.
2. Click Move. A prompt will appear in the prompt window of the status bar at the bottom of the screen.



3. Click to set the first base point. A second prompt will appear.



4. Move the mouse cursor to the second point. A line will appear indicating the distance and angle the selected fixtures will be moved.
5. Click at the second point. The selected fixtures will be moved the specified distance and angle.

Note: After setting the angle, enter a value and press Enter. The fixture is moved to the required distance along the selected angle.

Moving by dragging and dropping

A third way of moving fixtures is by dragging and dropping.

1. To move fixtures by dragging and dropping:
2. Click to select the fixture(s).
3. Position the cursor inside the selected fixtures and hold down the left mouse button. The mouse pointer will change to a hand. The fixtures can then be dragged to the new position.
4. A dotted outline will show the new position for the fixtures.
5. When in the required position, release the mouse button. The fixtures will be moved to their new position.

Adding Fixtures using the Offset Option

Using Offsets you can add new fixtures at specified distances from fixtures already in place.

To add fixtures using offset:

1. Select the Fixture and click Add Fixture.
2. Click the Offset option on the toolbar.



3. The Offset window opens.



4. Enter an offset, either in terms of X and Y co-ordinates, or Distance and Angle.
5. Click OK.
6. In the diagram, move and click the first pointer to specify the required position of the offset.
7. Move and click the second pointer to insert the fixture at the specified offset from the first pointer.

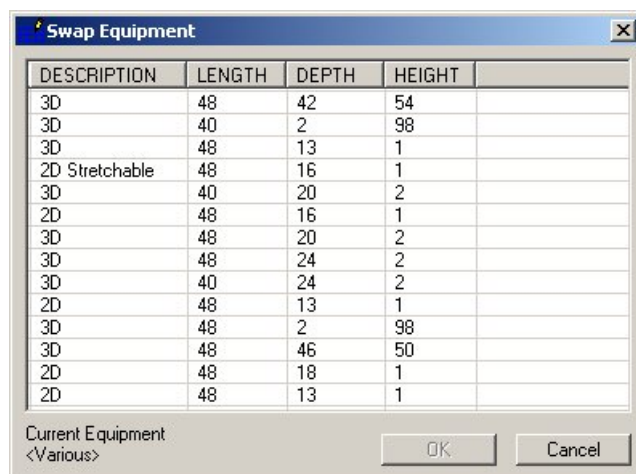
Swapping Fixtures

Fixtures or fitting can be **swapped** with comparable items. To swap fixtures:

1. Select the fixture(s) or fitting(s) to be swapped.
2. Click the Swap option on the toolbar.



3. The Swap Equipment window opens.



Note: All compatible equipment is displayed.

4. Click the column header to sort by that column.
5. Click the equipment to select it for swapping with the current fixture.
6. Click OK to swap the selected fixtures or fitting for the new object. If a fixture populated with merchandise is swapped, then this will be refreshed in case the dimensions have changed.

Deleting Fixtures

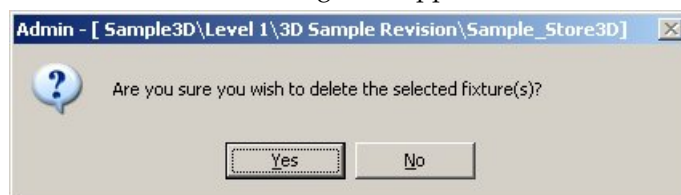
Deleting Fixtures can be done by using the Delete option on the fixturing toolbar.

To delete fixtures:

1. Click to select the fixtures to be deleted.
2. Click the Delete option on the toolbar.



3. A confirmation message will appear.

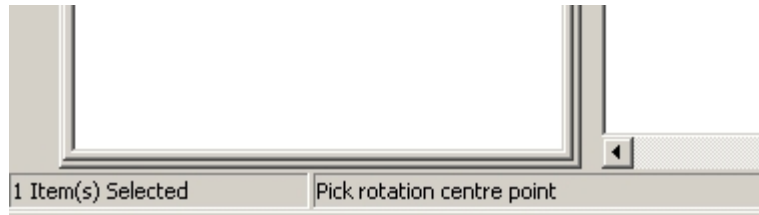


4. Click Yes to delete the selected fixtures from the drawing.

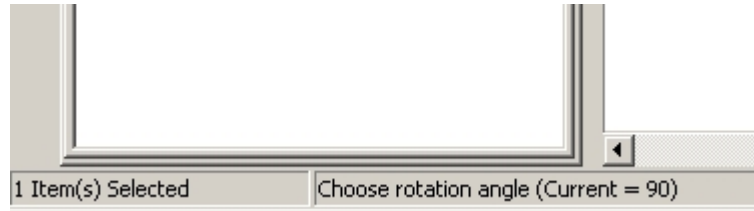
Rotating Fixtures

To Rotate Fixtures:

1. Select the fixture(s) to be rotated.
2. Click the Rotate option on the toolbar.
3. The prompt window of the status bar will display the number of items selected and will ask you to select a rotation center point.



4. Click at a selected point to specify the base point for the rotation. A dotted outline will show the new position of the fixture(s). The angle of rotation will also show in the status bar.

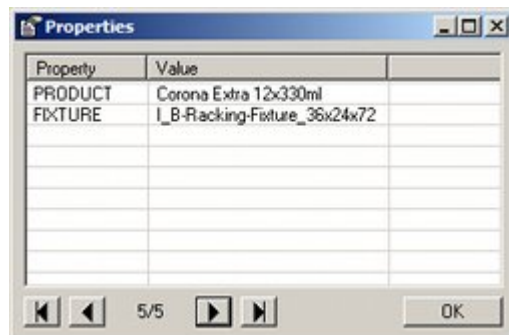


5. Click at a selected point to specify the new angle. The fixture(s) will rotate to the new angle.

All dependent objects including shelves, merchandise, and annotation will also rotate along with the fixture(s). After the rotate icon has been pressed, it is also possible to type in the required rotation angle and press <Return>.

The Properties Option

Click the Properties icon after selecting a fixture to activate the Properties Window.



This will show the properties for the selected product(s) or planogram(s).

The number of objects can be seen at the bottom of the window. The arrowheads allow the user to move through the records.

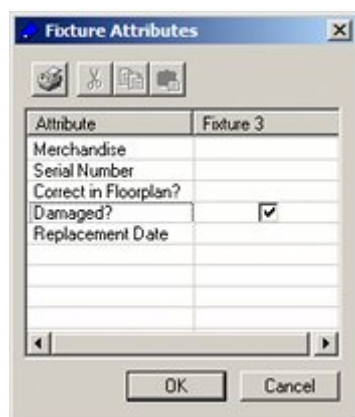
Fixture Attributes

To define fixture attributes:

1. Select one or more fixtures.
2. Click **Fixture Attribute** option on the Fixturing toolbar.



3. The Fixture Attributes window opens.



Note: Each fixture type may have a range of attributes. These attributes are defined in the Fixture studio module in Macro Space Management. Some attributes may be numeric, some textual, some yes/no and other selectable from drop down lists.

4. If multiple fixtures are selected and the current value of the attributes differs, then the affected fields will remain blank. If an attribute is entered, this will be applied to all the fixtures, overwriting the current information.
5. Click **OK** to change all selected fixtures. Attributes without a value (often for fixtures with differing attributes) will not be overwritten.

Resizing Fixtures

Only stretchable fixtures can be resized. A stretchable fixture can be created in Macro Space Management, by changing the properties of that fixture in the Fixture Studio module.

To resize a fixture:

1. Select a fixture or fixtures.
2. Click **Resize** on the Fixturing toolbar.



3. The **Edit Size** window opens.



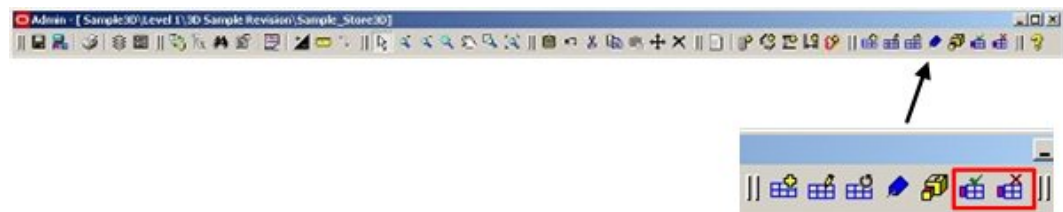
Note: The default values displayed are the current values for the fixture. The dimensions which cannot be resized will be grayed out. If multiple fixtures are selected, then only those dimensions that are common to all selected fixtures will be displayed. Fields that vary will be blank.

4. Enter the required values and click **OK**.

Note: The scaling will be done relative to the insertion point of the fixture(s) so its effective position in the drawing will not change. If a fixture's dimensions are changed and it is populated with merchandise, then this will be refreshed in case the dimensions have changed.

Promotional Fixtures

Promotional Fixtures are fixtures that can be flagged for use in promotions. This is done via the Promotional Fixtures option on the toolbar.



To assign a fixture as a promotional fixture:

1. Click to select the fixture.
2. Click Set as Promo Fixture.

To remove a fixture as a promotional fixture:

1. Click to select the fixture.
2. Click Set as Standard Fixture.

Note: Promotional fixtures can be identified by running the appropriate KPI.

Gondola Operations

Selecting Gondolas

There are three ways to select gondolas for further operations (such as moving or rotating) from within the drawing.

- Individual Selection
- Crossing Selection
- Window Selection

Note: The effect of the operations depend on whether grouping is On or Off.

Individual Selection

Individual Selections are made by left clicking on gondolas to select them.

Crossing Selection

A Crossing Selection is made using a selection box where the cursor is moved to the left of the original selection point. Crossing Selections have a dotted outline and include all gondolas totally or partially within the selection box.

Window Selection

A Window Selection is made using a selection box where the cursor is moved to the right of the original selection point. Window Selections have a solid outline and only include gondolas totally within the selection box.

The colors of the outlines of the Crossing or Window Selection Boxes, together with the colors for the first and subsequently selected gondolas can be customized in the Colors Frame of the Options Window.

Cancelling Selection of Gondolas

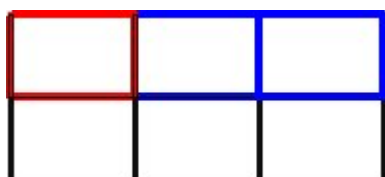
Where gondolas have been pre-selected for other operations, selection can be cancelled in two ways:

- Individually clicking on fixtures
- Using the Esc Key

Individually clicking on fixtures

When multiple fixtures are selected, the initial fixture selected will be highlighted in one color; the second and subsequent fixtures in a different color.

Note: the colors for the first and subsequently selected fixtures are specified in the Options dialog box.



1. If the initial fixture in the selection set (differentiated by its color) is clicked for a second time, all selected fixtures will be de-selected.
2. If any other fixture in the selection set is clicked for a second time, only that fixture will be removed from the selection set.

As fixtures are removed from the selection set, their highlighting will also be removed.

Using the Esc Key

Clicking on the Esc key cancels all selections.

Effect of Ortho option of Gondola Operations

The Ortho button is found to the right hand side of the Status Bar.



When enabled, it will ensure that operations can only be carried out in orthogonal directions: (0, 90, 180 and 270 degrees). The Ortho option can be toggled on and off by clicking on the button. When the Ortho option is On, the button will appear depressed.

Effect of using Ortho Option

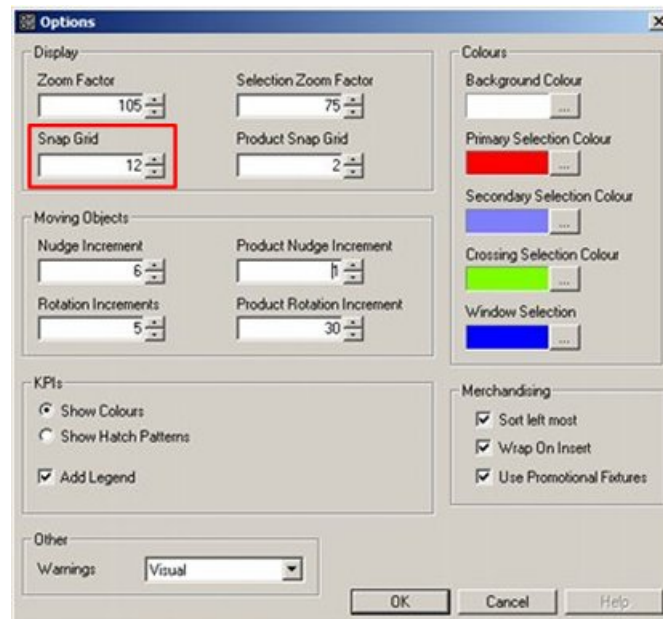
When gondolas are added, the angles they can be placed at are restricted to 0, 90, 180 and 270 degrees. Similarly, if gondolas already in the floor plan are rotated, the angles they can be rotated to are restricted to 0, 90, 180 and 270 degrees.

Effect of Snap Option on Gondola Operations

The Snap button is found to the right hand side of the Status Bar.



When enabled, it will ensure that gondolas can only be added or moved to discrete locations - the distances between these points being set by the snap grid option in the Options dialog box accessed from the toolbar. The Ortho option can be toggled on and off by clicking on the button. When the Ortho option is On, the button will appear depressed.



Effect of Group operation on Gondola Operations

The Group Option

The Group button is found to the right hand side of the Status Bar.

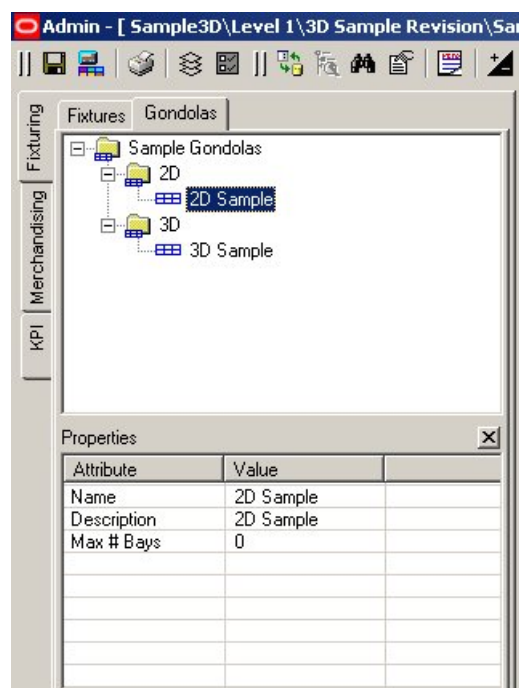


When grouping is on, all fixtures that have been placed simultaneously (typically a gondola) can be selected by clicking any member of the group. When grouping is off fixtures have to be selected individually. The Group option can be toggled on and off by clicking on the button.

When the Group option is On, the button will appear depressed.

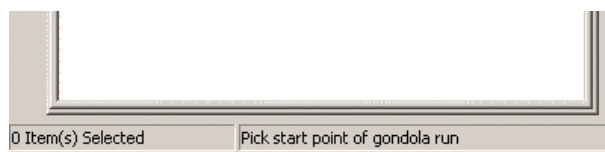
Adding Gondolas

Adding Gondolas to the drawing can be achieved by selecting the required gondola from the Gondola Hierarchical Tree in the Object Browser. The properties of the selected gondola will appear in the properties window immediately below.

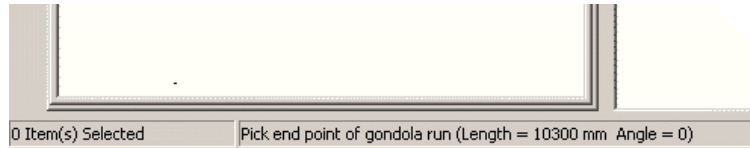


To add a gondola:

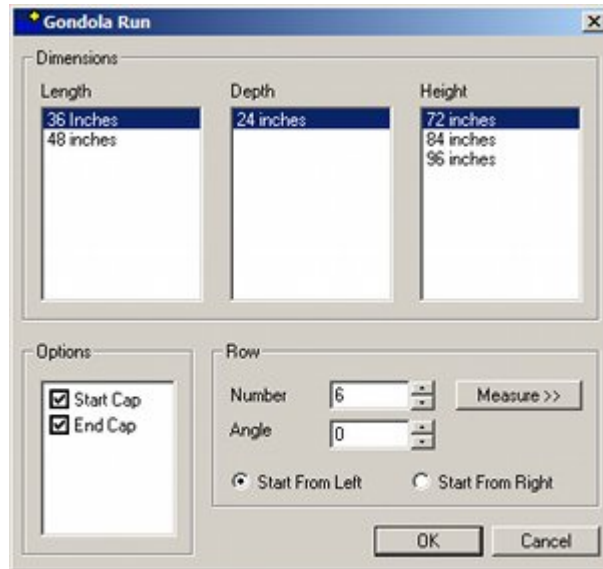
1. Select the gondola. The properties of the selected gondola appears in the properties window immediately below
2. Click Add Gondola.
3. Click an area to choose the start point of the gondola run.



4. Click an area to choose the end point of the gondola run.
5. Move the cursor to choose the rotation angle.



6. Click to confirm the rotation angle. The Gondola Run window will open.



7. Select the required details and click OK. The Gondola Run will be inserted.

Adding Gondolas using the Offset option

Using Offsets you can add new gondolas at specified distances from fixtures already in place.

To add gondolas using offset:

1. Select the gondola and click Add Gondola.
2. Click the Offset option on the toolbar.



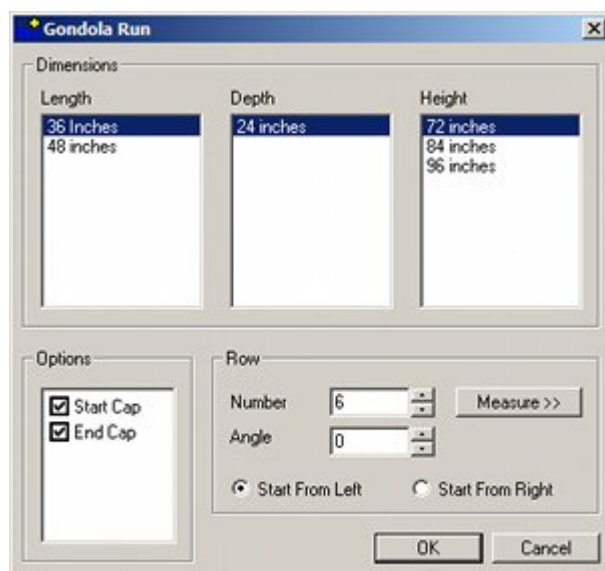
3. The Offset window opens.



4. Enter an offset, either in terms of X and Y co-ordinates, or Distance and Angle.
5. Click OK.
6. In the diagram, move and click the first pointer to specify the required position of the offset.
7. Move and click the second pointer to insert the fixture at the specified offset from the first pointer.

Gondola Run dialog box

The **Gondola Run** dialog box allows a series of options to be specified for the gondola being inserted.



Dimensions

The permissible dimensions are defined when the gondola is created in the Fixture studio module of Macro Space Management. Click a particular dimension to select it.

The default dimensions displayed are the first values in the list. If a similar type of gondola was placed earlier, the dimensions will display the values for that gondola.

Options

The Options Frame allows you to specify optional parts. These parts are defined when the gondola is created in Macro Space Management.

They can be selected by checking the appropriate box.

Row

The Row Frame allows the placement angle and number of fixtures in the gondola to be changed, if necessary. It also allows the start direction of the gondola to be specified.

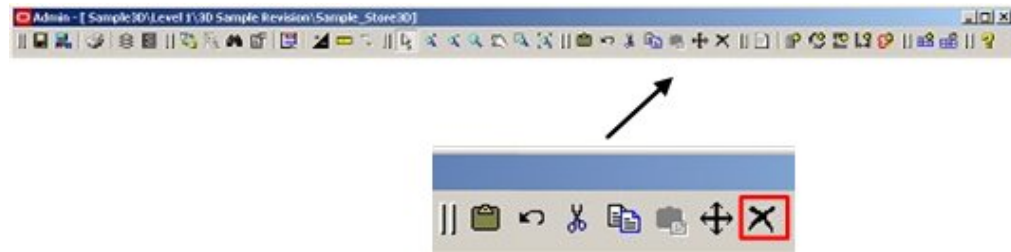
- The initial row Number is determined by the picked length of the gondola run. This can be changed by using the Up or Down buttons or by entering a new value. It can also be changed by clicking Measure. The dialog box will be temporarily hidden and you will be prompted to pick the start and end points of the gondola run. The dialog box will then reappear.
- The Angle can be changed by using the Up and Down buttons or by entering a new value between 0 to 360 degrees.
- The Start From Left and Start From Right options are important for placing gondolas that run along walls and initiate from corners. If Start from Left is selected, the gondola starts from a left hand corner. If Start from Right is selected, the gondola starts from a right hand corner.

Deleting Gondolas

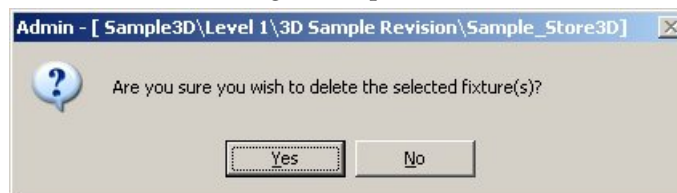
Gondolas can be **deleted** using the Delete Selection icon on the gondola toolbar.

To delete gondolas:

1. Click to select the gondolas to be deleted.
2. Click Delete Selection.



A confirmation message will open.



3. Click Yes to delete the selected gondolas.

Moving Gondolas

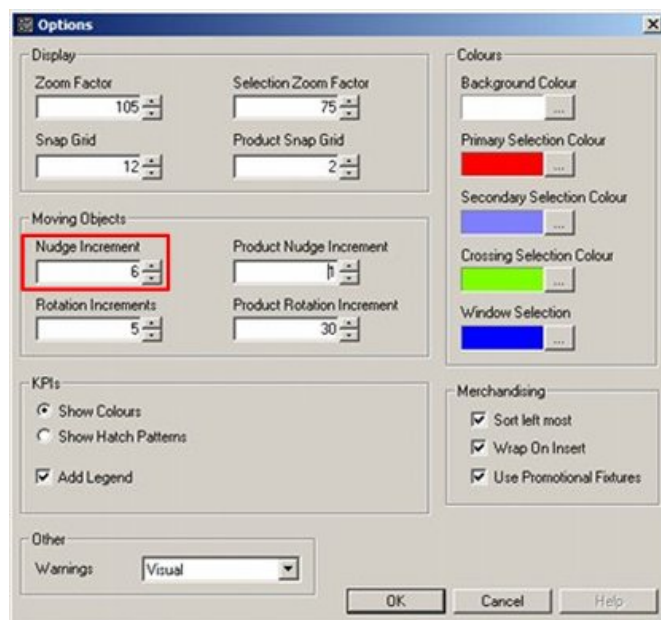
Gondolas can be moved in three ways:

- Using the keyboard cursor keys
- Using the move icon on the toolbar
- Moving by dragging and dropping

Using the keyboard cursor keys

Once a gondola has been selected the keyboard cursor keys may be used to move the selected gondola up, down, left, or right.

The distance moved for each key press will depend on the setting in the Nudge Increment box in the Moving Objects frame of the Options Window

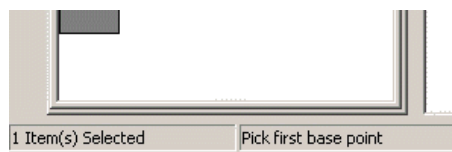


Using the move icon on the toolbar

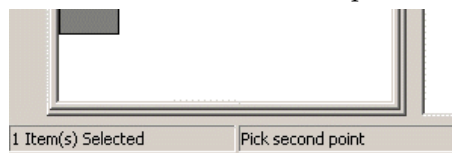
Alternatively, once selected the gondolas may be moved by clicking on the move icon in the Gondolas toolbar.

To move a gondola using the move option:

1. Select the gondola to move.
2. Click **Move**. A prompt will appear in the prompt window of the status bar at the bottom of the screen.



3. Click to set the first base point. A second prompt will appear.



4. Move the mouse cursor to the second point. A line will appear indicating the distance and angle the selected gondola will be moved.
5. Click at the second point. The selected gondola will be moved the specified distance and angle.

Moving by dragging and dropping

A third way of moving gondolas is by dragging and dropping using the mouse.

To move gondola by dragging and dropping:

1. Click to select a gondola.
2. Position the cursor inside the selected gondola and hold down the left mouse button. The mouse pointer will change to a hand. The gondola can then be dragged to the new position.

3. A dotted outline will show the new position for the gondola.
4. When in the required position, release the mouse button. The gondola will be moved to its new position.

Note: After setting the angle, enter a value and press Enter. The gondola is moved to the required distance along the selected angle.

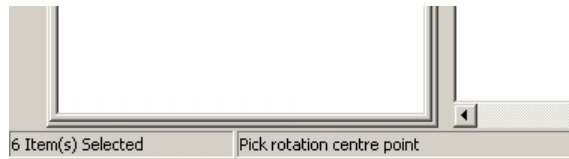
Rotating Gondolas

To rotate gondolas:

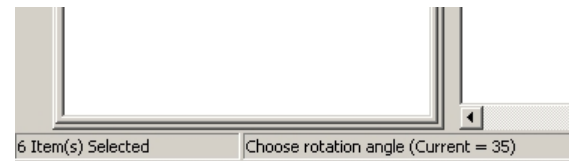
1. Select the gondola to be rotated.
2. Click Rotate option on the toolbar.



3. The prompt window of the status bar will display the number of items selected and will ask you to select a rotation center point.



4. Click at a selected point to specify the base point for the rotation. A dotted outline will show the new position of the gondola. The angle of rotation will also show in the status bar.



5. Click at a selected point to specify the new angle. The fixture(s) will rotate to the new angle.
6. All dependent objects including shelves, merchandise, and annotation will also rotate along with the fixture(s).

Note: After Rotate Gondola is selected, you can also enter the required rotation angle and press enter.

Merchandising

Merchandising Options

Merchandising Operations can be activated by clicking on the Merchandising Tab in the Object Browser. This changes the toolbar to options associated with fixturing.



Merchandising Options

Merchandising operations in In-Store Space Collaboration allow some (but not all) of the operations possible in Macro Space Management to be carried out.

Note: Merchandising activities that can only be carried out in Macro Space Management include:

- Creation of products and planograms
- Editing the properties of those products and planograms
- Creating and maintaining the hierarchical tree of products and planograms

Basic Concepts for Merchandising

Gondolas

A **Gondola** is an arrangement made up from two or more fixtures linked together by means of connection points (or in sufficiently close proximity to meet the definition of adjacency).

An example of a gondola might be a run of 10 fixtures placed back to back, with end caps on each end to maximize the area devoted to sales.

Gondolas are often color coded as to purpose. For example gondolas holding groceries might be drawn in green, fixtures holding chilled goods in blue.

Note that single fixtures are numbered as gondolas if the Gondola Numbering option is used.

Layers

Drawings can be divided into **layers**. Each layer contains a specific type of information. For example one layer might contain information on fixtures, another data on electrical wiring.

Layers can be further sub-divided into aliases. Each aliased layer will contain very specific information. For example, one aliased layer might contain details of all the

fixtures capable of holding chilled goods; another all fixtures holding fruit and vegetables.

Layers are one method used by Macro Space Management to filter fixtures, planograms, etc.

Products

A **Product** is a single type of merchandisable item.

- Jasmine rice is one type of product.
- Basmati rice is another type of product.
- Japonica rice is a third type of product.
- Short grained rice is yet another type of product.

Products can be combined in a Planogram to give a planned combination of products filling part of all of a fixture.

For example, a Rice planogram might contain specified amounts of Jasmine, Basmati, and Japonica, short grained and other types of rice.

Display Style

A Display Style is the lowest level in the product hierarchy.

It represents a specific example of the product type and indicates how it would appear if displayed on a fixture or gondola.

For example, a shirt product group might contain 'hanging', 'folding', or 'boxed' display styles.

Within In-Store Space Collaboration, products can be placed onto fixtures or gondolas down to SKU level, but not to style level.

Planograms

Planograms are designs generated within or imported into Macro Space Management. They hold details of merchandise to be placed into the fixtures within a store.

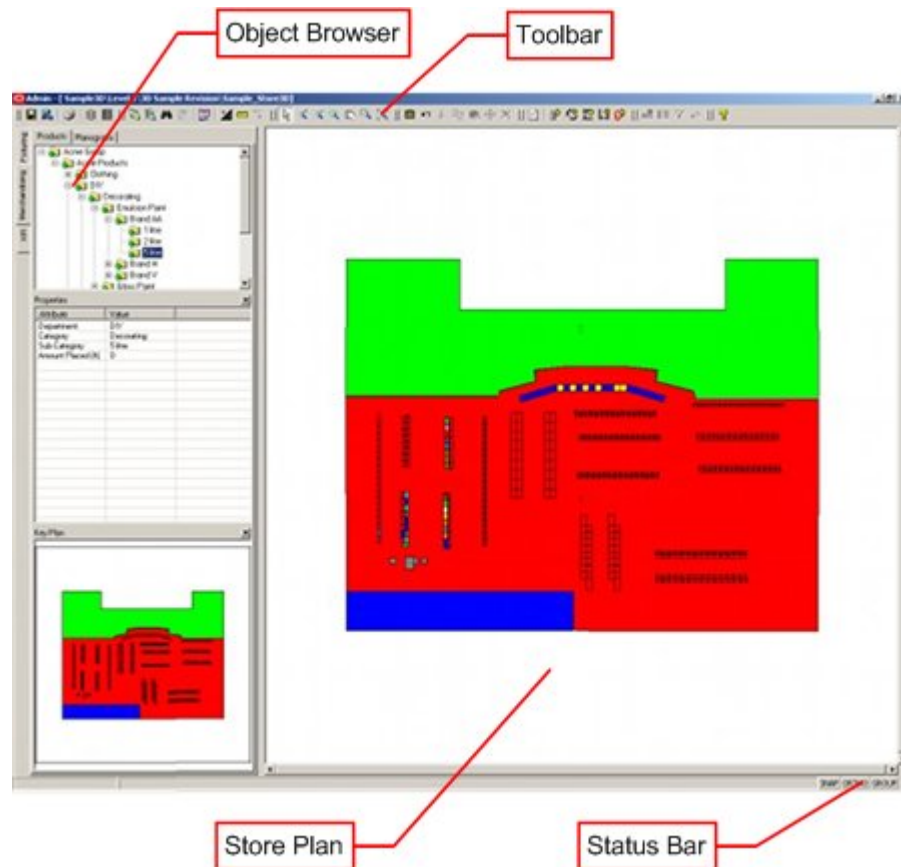
Planograms define the type, quantity, and arrangement of the sales goods to be placed in the bay(s). They are designed to maximize sales revenue by placing the optimum combination of products into the available sales space.

Planograms are infinitely flexible and can be configured to hold any combination of products.

Planograms are placed in fixtures and gondolas, but must be of suitable configuration for that specific fixture or gondola.

Merchandising Toolbar and Object Browser Window

Overview of Merchandising on the Object Browser



The Toolbar

Located at the top of the window, the toolbar gives access to a wide range of functions associated with fixture and gondola operations. Exactly which functions are accessible will depend on the user's access rights.

The Object Browser

The Object Browser enables the user to switch between Fixturing, Merchandising and Performance Measuring options.

Windows within the Object Browser give further information on the objects currently selected.

The Store Plan

The Store Plan is a plan view of a selected floor within a store. Depending on the selections made the user can add, edit and delete products and planograms.

The Status Bar

The Status Bar is located at the bottom of the window. It serves two purposes:

1. It allows the options such as Snap, Ortho and Group to be toggled On and Off.

2. It gives information on the objects selected and the next action required to manipulate them.

The Products Toolbar

The Products Toolbar is found on the Object Browser. It is selected by clicking on Products in the Merchandising Tab.

It contains a series of icons allowing various operations to be carried out on Fixtures. Some may be grayed out if they are not available for that operation.

Field	Description
	Add Notes
	Add Dimension
	Add Vertical Dimension
	Add Horizontal Dimension
	Add Mark-Up
	Add Product
	POG (Planogram) Scan
Not available for products	Filter Planogram
Not available for products	Reverse Planogram

The Planogram Toolbar

The Planogram Toolbar is found on the Object Browser. It is selected by clicking on Planograms in the Merchandising Tab.

It contains a series of icons allowing various operations to be carried out on Planograms. Some may be grayed out if they are not available for that operation.

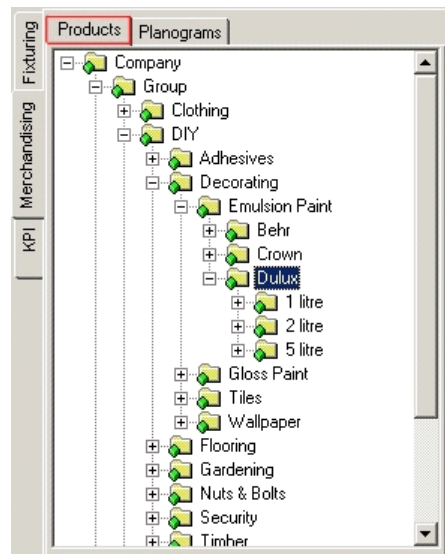
Field	Description
	Add Dimension
	Add Vertical Dimension
	Add Horizontal Dimension

Field	Description
	Add Mark-Up
	Add Planogram
	POG (Planogram) Scan
	Filter Planogram
	Reverse Planogram

The Products Hierarchy Window

The Products Hierarchy Window is selected by clicking on the Products tab within the Merchandising Tab on the Object Browser.

The Products Hierarchy is configured in Macro Space Management's Product Studio module and cannot be altered in In-Store Space Collaboration.



The type of hierarchical tree can be seen from the icons as well as from the Products tab.

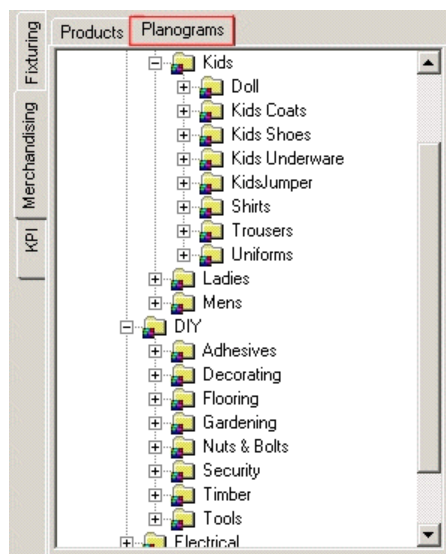
The products hierarchy tree shows the list of available products down to subcategory level (the level above SKU's).

Horizontal and vertical scroll bars will be displayed if the hierarchical tree is larger than the extents of the window.

Click + to expand, and - to collapse the hierarchy.

The Planogram Hierarchy Window

The Planograms Hierarchy Window is selected by clicking on the Planograms tab within the Merchandising Tab on the Object Browser.



The planograms hierarchy tree shows the list of planograms that can be placed in the store plan.

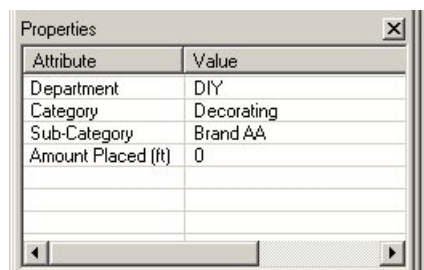
The hierarchical tree is configured in Macro Space Management and cannot be configured in In-Store Space Collaboration.

Horizontal and vertical scrollbars will be displayed if the hierarchical tree is larger than the extents of the window.

Click + to expand, and - to collapse the hierarchy.

The Properties Window

The Properties Window contains details of the currently selected product or planogram.

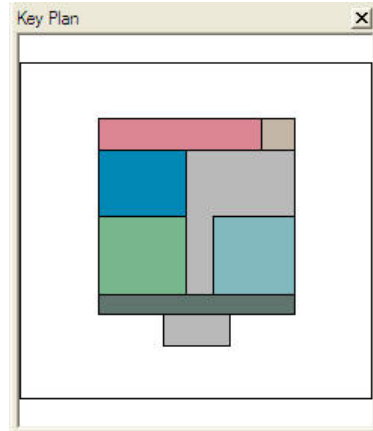


The list of properties displayed is configurable within Macro Space Management.

The currently displayed properties can be refreshed by clicking on another product or planogram.

The Key Plan Window

The Key Plan Window indicates which part of the drawing (Top Graphical View) is currently visible.



If all the drawing is visible, the window will be a uniform color. If only part of the drawing is visible, a rectangle within the Key Plan Window shows the user where they are currently viewing within the drawing.

Product Operations

Product Placeholders in ISSC

The product hierarchy in In-Store Space Collaboration only shows a limited part of the full product hierarchy. The full hierarchy (as seen in Macro Space Management) can contain the following levels:

- Company
- Group
- Division
- Department
- Class (Category)
- Sub-Class (Sub-Category)
- Style
- Item
- SKU
- Display Style (physical form of SKU - for example boxed, folder or hung. Only used in MSM's Merchandiser module).

In-Store Space Collaboration only shows the hierarchy down to Sub-Class (Sub-Category) level.

Note: Products can be placed from lower levels of the product hierarchy in the Planner and Merchandiser modules in Macro Space Management. These will be visible in In-store Space Collaboration, but cannot be modified on a 'like for like' basis.

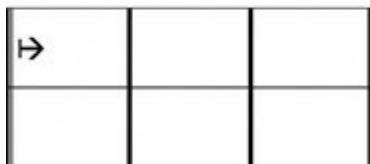
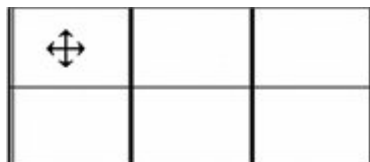
Selecting Fixtures to be Merchandised

There are two broad ways that fixtures can be selected for products to be added.

1. Drag and Drop
2. Pre-Selection

Drag and Drop

One way of merchandising is to drag and drop an item of merchandise from the product hierarchy. To do this, highlight an item in the product hierarchy then, with the left mouse button held down, drag the mouse cursor over the fixture it is intended to merchandise. When the mouse cursor is over the fixture, it will change to one of two forms.



The multi-directional arrow in the top set of fixtures indicates that only that fixture has been selected to have products added.

The unidirectional arrow in the bottom set of fixtures indicates that merchandising will occur in the direction indicated by the arrow. It will appear when the mouse cursor is brought close to the left or right side of the fixture.

Note: as products are only added to a single fixture during a 'drag and drop' operation, the unidirectional arrow will have no practical effect

Pre-selection

The other way of adding products to a fixture is to preselect the fixtures before adding products. There are three ways to select fixtures for further operations.

- Individual Selection
- Crossing Selection
- Window Selection

Individual Selection

Individual Selections are made by left clicking on fixtures to select them.

Crossing Selection

A Crossing Selection is made using a selection box where the cursor is moved to the left of the original selection point. Crossing Selections have a dotted outline and include all fixtures totally or partially within the selection box.

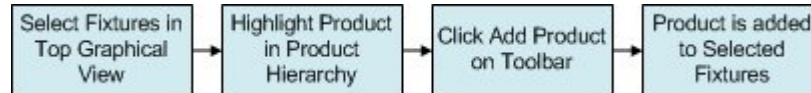
Window Selection

A Window Selection is made using a selection box where the cursor is moved to the right of the original selection point. Window Selections have a solid outline and only include fixtures totally within the selection box.

When selected by Individual, Crossing or Window Selection, the outline of the fixture increases in thickness and changes in color.

Note: The colors of the outlines of the Crossing or Window Selection Boxes, together with the colors for the first and subsequently selected fixtures can be customized in the Colors Frame of the Options dialog box.

Once the fixtures have been selected, products can be added as follows:



Cancelling Selection of Fixtures to be Merchandised

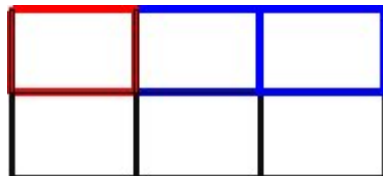
Where fixtures have been pre-selected for merchandising, selection can be cancelled in two ways:

- Individually clicking on fixtures
- Using the Esc Key

Individually clicking on fixtures

When multiple fixtures are selected, the initial fixture selected will be highlighted in one color; the second and subsequent fixtures in a different color.

Note: the colors for the first and subsequently selected fixtures are specified in the Options dialog box.



1. If the initial fixture in the selection set (differentiated by its color) is clicked for a second time, all selected fixtures will be de-selected.
2. If any other fixture in the selection set is clicked for a second time, only that fixture will be removed from the selection set.

As fixtures are removed from the selection set, their highlighting will also be removed.

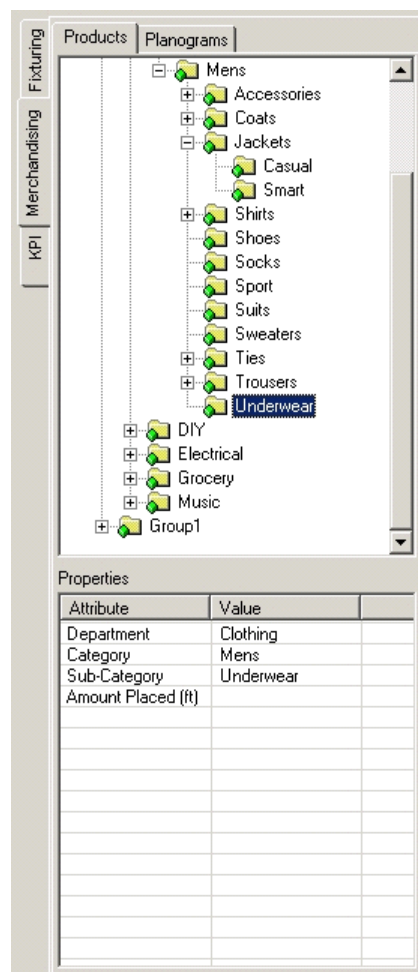
Using the Esc Key

Clicking on the Esc key cancels all selections.

Adding Products

Adding Products to the drawing is done by selecting the required product from the Product Hierarchical Tree in the Object Browser. The properties of the selected product will appear in the properties window immediately below.

There are then two ways to add products: by clicking on the Add icon and by 'dragging and dropping'.



Using the Add Icon

When the product has been selected, the Add Product icon (which may have been grayed out) will become active.

1. Select the fixtures to be populated.
2. Click Add Product. The selected product will be added to the specified fixtures.

Dragging and Dropping

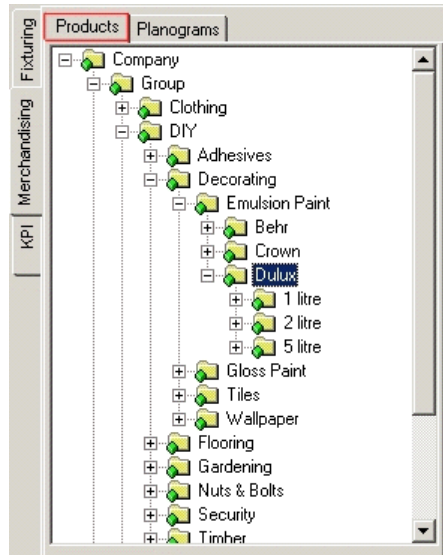
This method of placement only allows products to be placed on single fixtures.

1. Hold down the left mouse button and drag the highlighted product over to the required fixture.
2. Release the left mouse button to place the product.

Selecting Level of Product to Add

The level of product to be added can be selected within the Product Hierarchy Window.

Note: all products added in In-Store Space Collaboration are added as placeholders - they represent broad types of products, rather than specific products.



Products can be placed from any level in the hierarchy.

Products placed from higher levels in the hierarchy serve as a general indication as to the purpose of the fixture on which it has been placed; products placed from lower levels serve as specific indications.

It is thus possible to place the Emulsion Paint product group on a fixture – this serves to indicate that the fixture may be used for any type of emulsion paint.

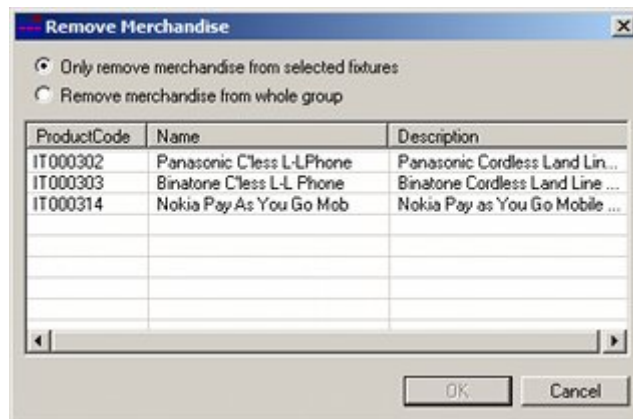
Conversely, it is possible to place the Dulux 1 liter Emulsion Paint product group on a fixture – the purpose of the fixture has now been more specifically defined.

Removing Products

Products can be removed by using the Remove icon on the Products toolbar.

To remove a product:

1. Select the fixtures from which products are to be removed.
2. Click Remove. The Remove Merchandise dialog box will open.



Note: The dialog box can be resized.

3. Click the Radio button at the top of the dialog box to switch between the two options.
 - a. Click Only remove merchandise from selected fixtures to remove products from the selected fixtures.

- b. Click Remove merchandise from whole group to remove the specified products from other (unselected) fixtures as well as the selected one.

Note: Specified products will only be removed from unselected fixtures if they were placed at the same time as the selected product. If the Casual Shirts product was placed on two fixtures at the same time, then both instances of Casual Shirts will be removed. If there are two instances of Casual Shirts in the drawing and they were placed at different times, then only the selected instance will be removed. The second instance of Casual shirts must be removed in a separate operation.

4. The window shows all products on the selected fixtures. Select a single product to be removed from the list.
5. To remove multiple products, hold down either the <Shift> or <Ctrl> keys and Select the products.

Note: Holding down the <Shift> key then left clicking on two items in the list will select those and all items between them. Holding down the <Ctrl> key then left clicking on items in the list will add them to those selected.

6. Click OK to remove the select products from the drawing.

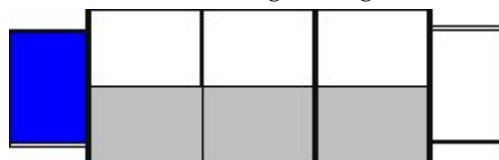
Category Insertion for Products

Overview of Category Insertion for Products

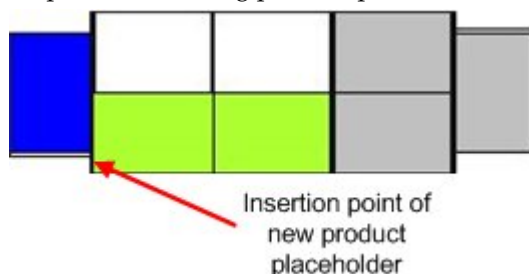
Category Insertion provides a way of repositioning products and planograms on fixtures without the need to delete and replace them.

Note: Fixture Adjacencies should have been calculated before using Category Insertion.

Consider the following small gondola with two planograms already placed.



The user has the option of inserting other product placeholders onto the gondola. If there is space, the existing product placeholders and planograms will move to make room.



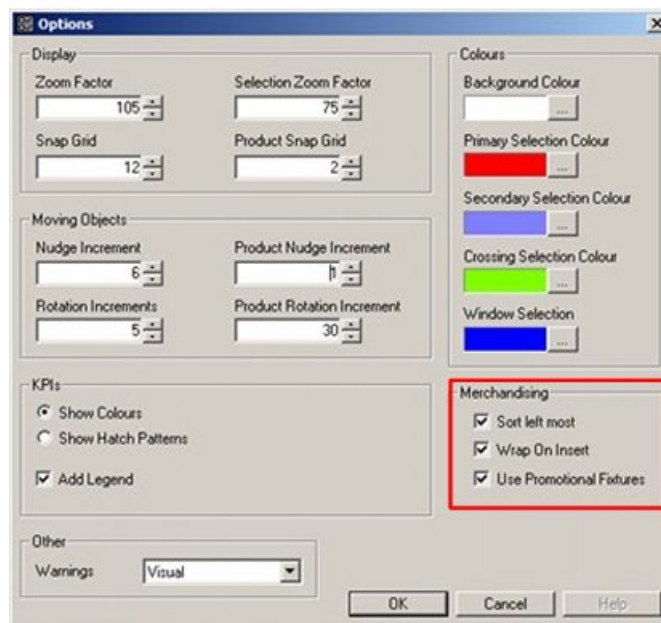
The user also has the option of temporarily moving existing product placeholders to the floor to make room for other merchandise on the gondola.



These product placeholders can either be 'dragged and dropped' to another position on the gondola, or moved to other fixtures or gondolas.

Options Dialog Box

How Category Insertion behaves depends on settings in the Options dialog box (accessed from the toolbar).



If checked:

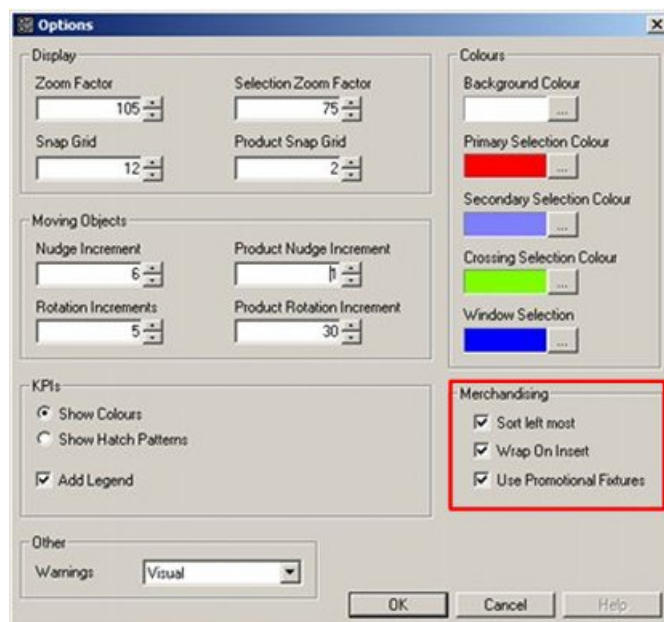
- Sort leftmost will populate the fixtures from the leftmost first as viewed from the front of the fixtures. (This has no influence on Category Insertion).
- Wrap on insert will allow fixtures on more than one side of the gondola to be populated.
- Use Promotional Fixtures will allow fixtures that have been tagged as promotional fixtures to be populated.

Adding Products to a Gondola

Category insertion enables a user to add product placeholders to a gondola, with the existing product placeholders or planograms moving to make room if required.

Note: Fixture Adjacencies should have been calculated before using Category Insertion.

Two of the settings in the Options dialog box affect how Category Insertion operates:



- Wrap on Insert determines whether the product placeholders being inserted will be confined to a single side, or allowed to 'wrap' round onto other sides of the gondola.
- Use Promotional Fixtures determines whether category insertion will include fixtures designated as Promotional Fixtures, or whether these will be excluded.

Category Insertion

To carry out category insertion:

1. Ensure Calculate Adjacencies has been run if required. (This will require running every time fixtures/gondolas are added, moved or deleted in the floor plan).



2. Check that the appropriate settings have been made in the Options dialog box.
3. Highlight a product placeholder in the product hierarchy in the Object Browser, hold down the left mouse button and drag the planogram to the fixture it will be inserted at.
4. When the mouse cursor is over the fixture, it should be brought close to the left or right side. This will cause the Category insertion icon to appear

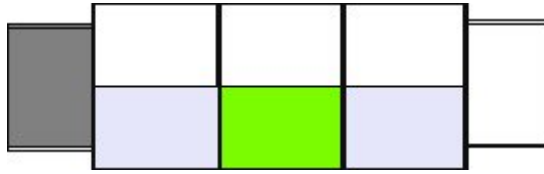


5. On releasing the left mouse button, the product placeholder will place.

Note: If the mouse icon is a multi directional arrow (as opposed to the above example) then the product placeholder will be placed normally - not inserted via Category Insertion.

Worked Examples

Consider a small gondola with both endcaps set as promotional fixtures and with a 1 bay and a 2 bay planogram placed.



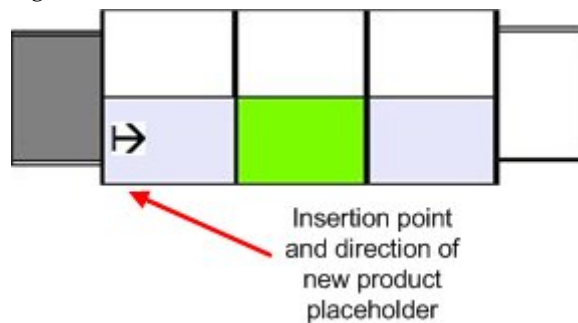
Case 1 - Wrap on Insert and Use Promotional Fixtures Off

In this case, there is no room to place an additional placeholder on the side that has already been merchandised and a warning will result.

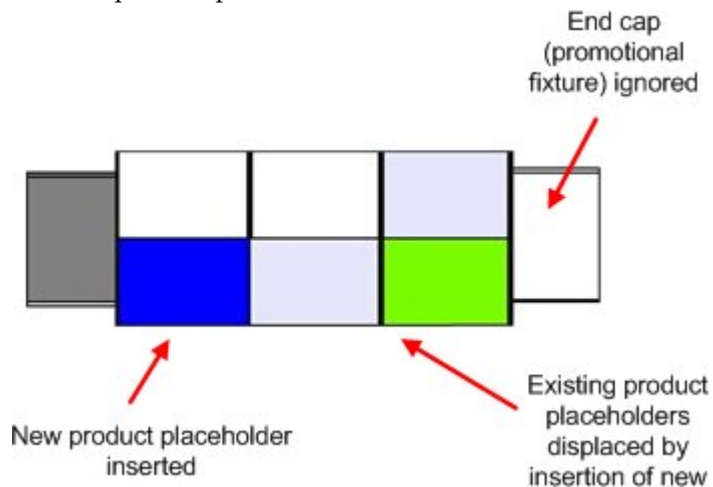


Case 2 - Wrap on Insert On and Use Promotional Fixture Off

In this case, it is possible to place an additional placeholder. The start point can be selected by selecting a planogram in the planogram hierarchy and dragging it to the required fixture. When the mouse cursor is close to the left hand side of the fixture the directional arrow appears, indicating that the other merchandise will be shifted to the right.



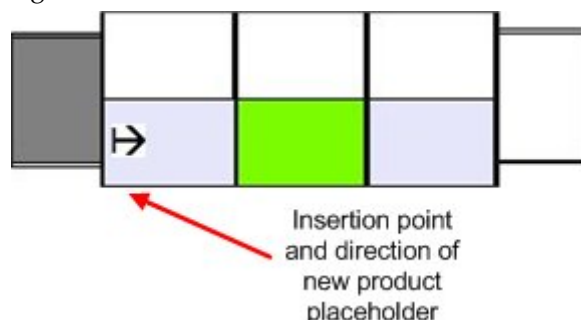
If a new product placeholder is inserted, the result is as follows:



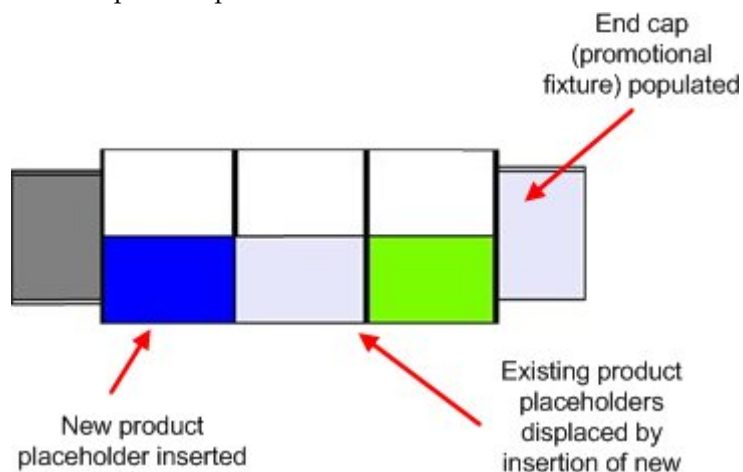
The new product placeholder has displaced the existing product placeholders to the right. Because the end cap was a promotional fixture (and Use Promotional Fixtures was off), it has not been populated.

Case 3 - Wrap on Insert and Use Promotional Fixtures On

In this case, it is possible to place an additional placeholder. The start point can be selected by selecting a planogram in the planogram hierarchy and dragging it to the required fixture. When the mouse cursor is close to the left hand side of the fixture the directional arrow appears, indicating that the other merchandise will be shifted to the right.



If a new product placeholder is inserted, the result is as follows:



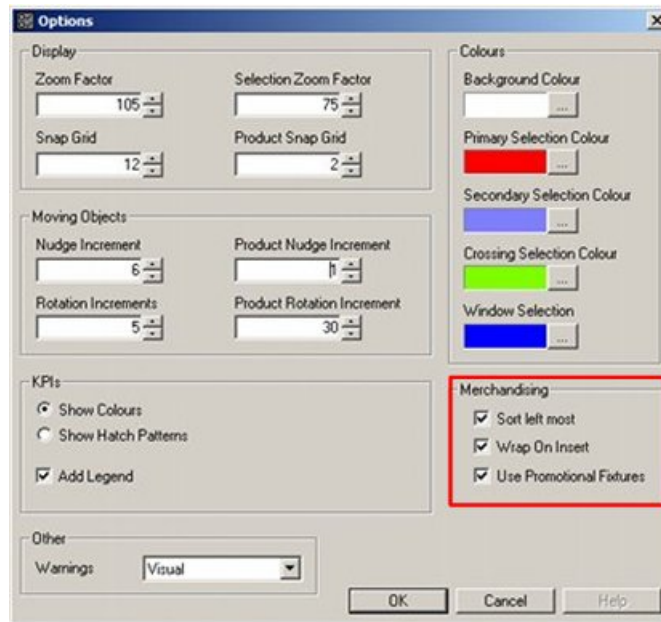
The new product placeholder has displaced the existing product placeholders to the right. Because the end cap is a promotional fixture (and Use Promotional Fixtures is on), it was populated.

Moving Products to the Floor

Category Insertion also allows planograms to be moved to the floor. This frees up space on the fixtures. The planograms on the floor can then be 'dragged and dropped' in order to rearrange them.

Note: Fixture Adjacencies should have been calculated before using Category Insertion.

As in adding planograms, two of the settings in the Options dialog box affect how Category Insertion operates when the products are moved back to fixtures:



1. Wrap on Insert determines whether the planograms being inserted will be confined to a single side, or allowed to 'wrap' round onto other sides of the gondola.
2. Use Promotional Fixtures determines whether category insertion will include fixtures designated as Promotional Fixtures, or whether these will be excluded.

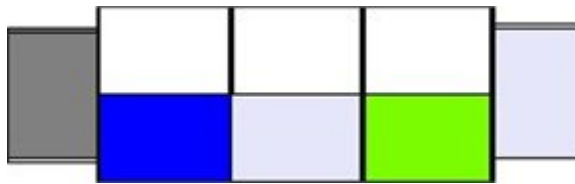
The grouping option on the status bar determines how planograms are selected.



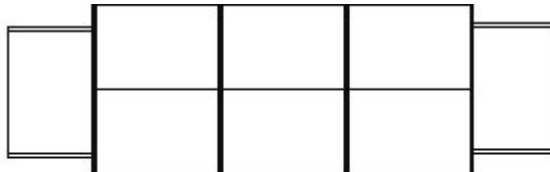
3. If Grouping is Off, then all required bays of the planogram have to be selected.
4. If Grouping is On, then selecting one bay of the planogram will select them all.

Moving to Floor

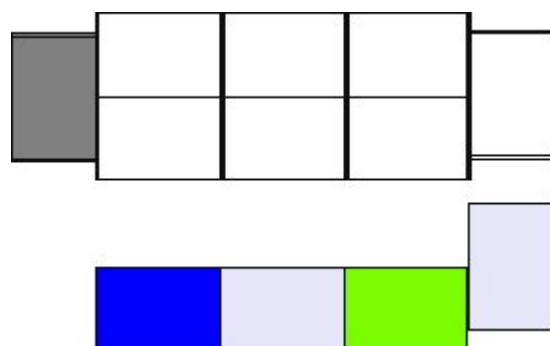
To move products to the floor, select them in the floor plan by clicking them, and then drag them to the floor. The shape they occupy on the floor will depend on what is selected.



If products placeholders placed at the same time (for example the same placeholder placed onto multiple fixtures) are dragged onto the floor, they will assume a straight line.

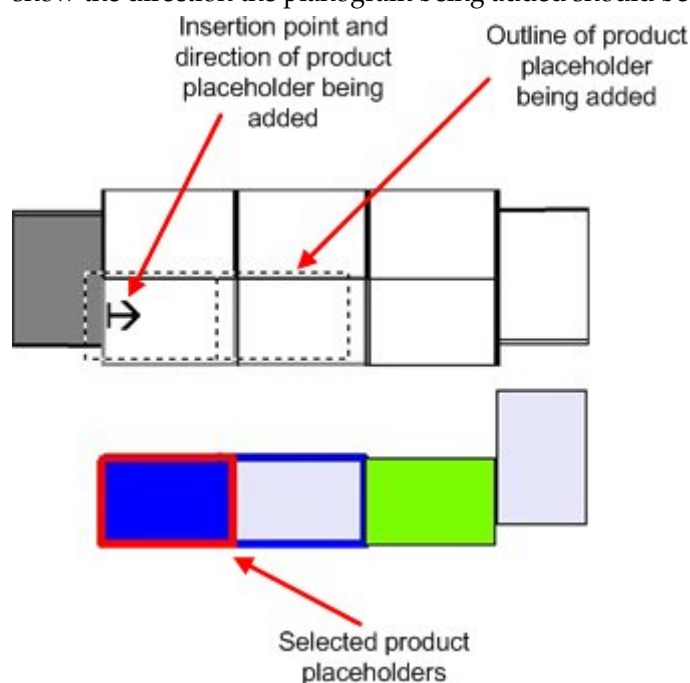


Otherwise, the product placeholders will retain the shape they occupied on the original fixtures.



Adding Back onto Fixtures

To add product placeholders back to fixtures, select the required product placeholders from the floor by individual selection or using crossing or windows selection boxes, and then drag them to the required start point. The unidirectional arrow should appear to show the direction the planogram being added should be inserted in.



The product placeholders will then insert, displacing other product placeholders if required.

Considerations for Category Insertion for Products

Leaving Products on the Floor

If products are moved onto the floor during Category Insertion operations and left there after the floor plan is saved and closed, this may have a significant effect on reporting accuracy. This is because the fixtures and products may be included in Fixture, Product and Aisle Adjacency calculations and subsequently appear in reports.

When placed on the floor, the products have a special parent fixture. This is normally called Module (for metric databases) and I_Module (for Imperial databases). It is specified in the MODULE_BLK_ID system variable.

Note: it may be good practice to develop a KPI or BI Publisher report that identifies all modules in floor plans of specified status.

Planogram Operations

Need for Adjacency Calculations

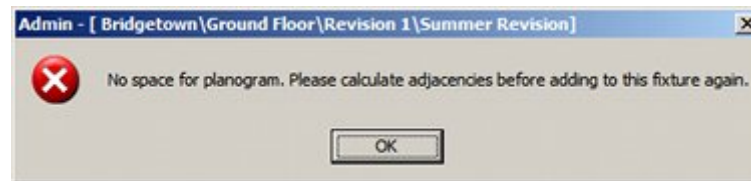
The toolbar contains an option to calculate Fixture Adjacencies.



This option writes back two sets of information to the database:

1. It identifies whether individual fixtures are left, right, behind or above one another.
2. It identifies which fixtures form gondolas and the relationship of those fixtures within a gondola.

The results of these adjacency calculations are required for Category Insertion to work. If Fixture Adjacency has not been carried out, the application will not be able to identify the relationship of one fixture to another and Category Insertion will not work correctly.



Selecting Fixtures for Planogram Operations

There are two broad ways that fixtures can be selected for planograms to be added.

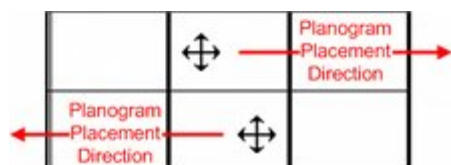
1. Drag and Drop
2. Pre-Selection

Drag and Drop

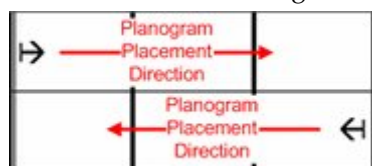
One way of merchandising is to drag and drop a planogram from the planogram hierarchy. To do this, highlight an item in the planogram hierarchy then, with the left mouse button held down, drag the mouse cursor over the fixture it is intended to merchandise. When the mouse cursor is over the fixture, it will change to one of two forms.

If the planogram is multi-bay the following will apply:

3. The multi-directional arrow indicates that the planogram will be placed in a direction indicated by the cursor position. If the cursor is over to the left of the fixture, the additional bays of the planogram will be placed to the right. If the cursor is over to the right, the additional bays will be placed to the left.



4. The unidirectional arrow indicates that planogram placement will occur in the direction indicated by the arrow. It will appear when the mouse cursor is brought close to the left or right side of the fixture.



Note: fixtures will also be populated according to the choices selected in the Merchandising Frame of the Options dialog box.

Pre-selection

The other way of adding products to a fixture is to preselect the fixtures before adding products. There are three ways to select fixtures for further operations:

- Individual Selection
- Crossing Selection
- Window Selection

Individual Selection

Individual Selections are made by left clicking on fixtures to select them.

Crossing Selection

A Crossing Selection is made using a selection box where the cursor is moved to the left of the original selection point. Crossing Selections have a dotted outline and include all fixtures totally or partially within the selection box.

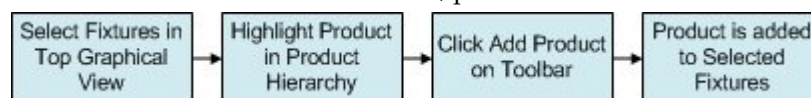
Window Selection

A Window Selection is made using a selection box where the cursor is moved to the right of the original selection point. Window Selections have a solid outline and only include fixtures totally within the selection box.

When selected by Individual, Crossing or Window Selection, the outline of the fixture increases in thickness and changes in color.

Note: The colors of the outlines of the Crossing or Window Selection Boxes, together with the colors for the first and subsequently selected fixtures can be customized in the Colors Frame of the Options dialog box.

Once the fixtures have been selected, products can be added as follows:



The sequence in which the fixtures are populated for a multi-bay planogram will be governed by whether Sort Leftmost is selected in the Options dialog box.

Cancelling Selection for Planogram Operations

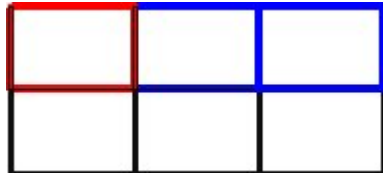
Where fixtures have been pre-selected for merchandising, selection can be cancelled in two ways:

- Individually clicking on fixtures
- Using the Esc Key

Individually clicking on fixtures

When multiple fixtures are selected, the initial fixture selected will be highlighted in one color; the second and subsequent fixtures in a different color.

Note: the colors for the first and subsequently selected fixtures are specified in the Options dialog box.



1. If the initial fixture in the selection set (differentiated by its color) is clicked for a second time, all selected fixtures will be de-selected.
2. If any other fixture in the selection set is clicked for a second time, only that fixture will be removed from the selection set.

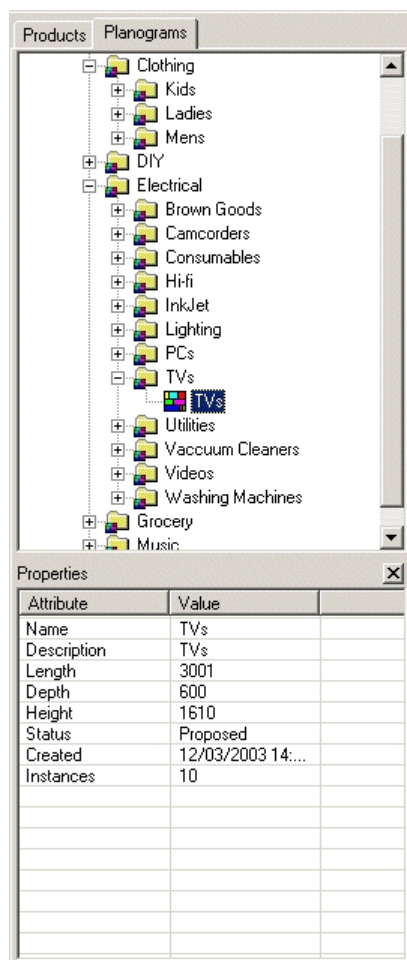
As fixtures are removed from the selection set, their highlighting will also be removed.

Using the Esc Key

Clicking on the Esc key cancels all selections.

Adding Planograms

Adding Planograms to the drawing is done by selecting the required planogram from the Planogram Hierarchical Tree in the Object Browser.



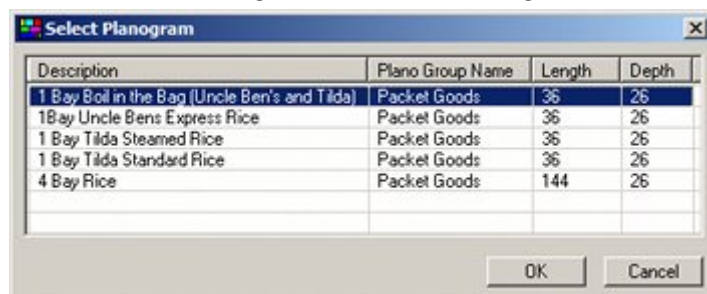
To add a planogram:

1. Select a Fixture or the entire Gondola.
2. On the Planograms tab under Merchandising, select a planogram. The properties of the selected planogram appear in the properties window immediately below. The Add Planogram icon is enabled once fixture is selected.
3. Click Add Planogram.

Adding repeated planograms of the same class.

To add repeated planograms of the same class:

1. If there are multiple planograms of a specific type in the hierarchy, select the lowest common branch in the hierarchy rather than the individual planogram.
2. Click Add Planogram. The Select Planogram window opens.



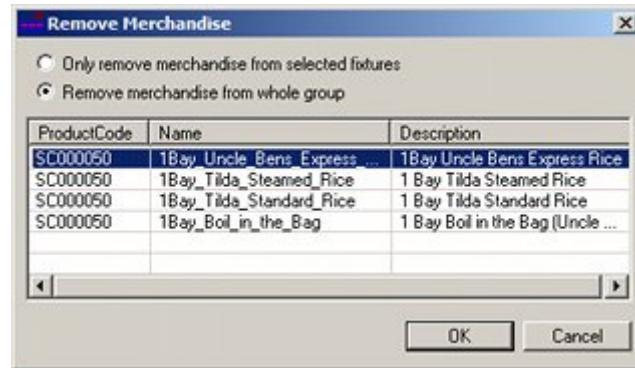
3. Highlight the required planogram, and then click Ok.

Removing Planograms

Planograms can be removed by using the Remove icon on the Planogram toolbar.

To remove planograms:

1. Click to select the fixtures from which planograms are to be removed.
2. Click Remove. The Remove Merchandise window will open.



Note: The Window can be resized by dragging on the sides.

3. Select the required option at the top of the dialog box.
 - a. Click Only remove merchandise from selected fixtures to remove planograms from the selected fixtures.
 - b. Click Remove merchandise from whole group to remove the specified planograms from other (unselected) fixtures as well as the selected one. The Radio button at the top of the dialog box allows the user to switch between two options.

Note: Using this option is recommended, as it will ensure that no partial planograms remain in the drawing.

4. The window shows all products on the selected fixtures. Click to select a single product to be removed from the list.
5. To remove multiple products, hold down either the <Shift> or <Ctrl> keys and click to select the products.

Note: Holding down the <Shift> key then left clicking on two items in the list will select those and all items between them. Holding down the <Ctrl> key then left clicking on items in the list will add them to those selected.

6. Click OK to remove the select planograms from the drawing.

Reversing Planograms

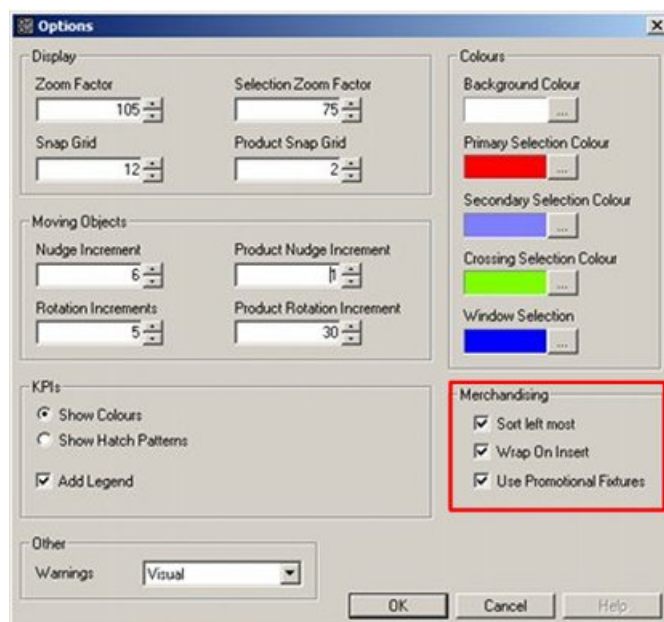
The placement direction of planograms can be reversed by clicking on the Reverse Planogram icon on the Planogram toolbar. This button can be toggled on and off.



- For normal planogram placement, the first bay of the planogram is placed on the first fixture (normally the leftmost) then the second on the next fixture, etc.
- If the Reverse Planogram button is toggled on before placing the planogram, then the first bay of the planogram will be placed on the last fixture (normally the rightmost) then the second on the next fixture, etc.

Planogram design includes a flag to indicate whether it is designed for left to right or right to left traffic. If the planogram is designed for left to right traffic and it is placed on a side of an aisle where traffic is predominantly right to left, then reversing the planogram will result in the individual bays being changed suit a right to left viewing sequence.

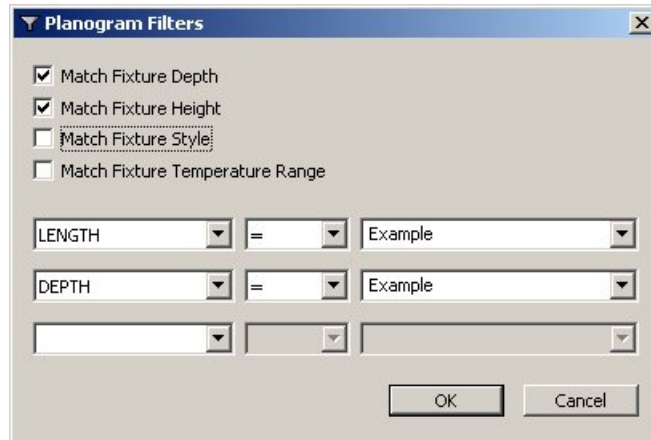
Note: Planogram placement is also affected by whether the sort left most option is checked in the Options dialog box.



Setting Planogram Filters

To set filters for the types of planograms that can be placed:

1. Click Filters on the toolbar.
2. The Planogram Filters window will open.



The image shows a 'Planogram Filters' dialog box. It has a title bar with a close button. Inside, there are four checkboxes: 'Match Fixture Depth' (checked), 'Match Fixture Height' (checked), 'Match Fixture Style' (unchecked), and 'Match Fixture Temperature Range' (unchecked). Below these are three rows of filter criteria. The first row has a dropdown menu with 'LENGTH' selected, followed by an equals sign (=) in a small box, and a text box with 'Example'. The second row has a dropdown menu with 'DEPTH' selected, followed by an equals sign (=) in a small box, and a text box with 'Example'. The third row has empty dropdown menus and a text box. At the bottom right are 'OK' and 'Cancel' buttons.

3. This contains a series of options that allow planograms to be filtered:
 - Match Fixture Depth, Match Fixture Height, and Match Fixture Style warns if the planogram being placed does not match these criteria for the selected fixtures.
 - Match Fixture Temperature Range is not implemented in this release.
 - The fields in the drop down lists filter according to requirements specified by customers and provided by Oracle. Typical fields include Planogram ID, Planogram Name, Planogram Description, Fixture Length, and Fixture Depth.
4. If it is desired to place the planogram, click **OK**; else click **Cancel**.

Comparison Operators

The following comparison operators can be used when filtering planograms for placement.

Operator	Result
=	Select planograms equal to data in Value field
<>	Select planograms not equal to the data in the Value field
<	Select planograms less than the data in the Value field
=<	Select planograms less than or equal to the data in the Value field
>	Select planograms greater than the data in the Value field
=>	Select planograms greater than or equal to the data in the Value field
IN	Select planograms matching date in a list separated by commas
NOT IN	Select planograms not matching date in a list separated by commas
LIKE	Select planograms where the data in the Value field matches part of the planogram information
NOT LIKE	Select planograms where the data in the value field does not match part of the planogram information

Note: Not all filter options will have all operators enabled. Some filter options may offer a more restricted list.

Examples of the use of filters include:

- Description = Baked Beans* will find all examples of backed beans.
- Description IN Baked Beans, Barbecue Beans, Broad Beans will find all planograms called Baked Beans, Barbecue Beans and Broad Beans.
- Description NOT LIKE *Beans* will find all planograms that don't include Beans or variants of Beans in their description.

Using wild-cards

The following wild-cards can be used:

Wild-card	Result
?	Match single letter or number
*	Match one or more letters or numbers

Examples of the use of wild-cards include:

- Baked* will find Baked Beans, Baked Rolls, Baked Alaska, etc.
- Beer-???? will find Beer-1664, Beer-Lite, etc.
- Wild-cards can only be used in selected options. For example wild-cards cannot be used when the IN and NOT IN operators are selected.

Overview of Scanning Planograms

In-Store Space Collaboration allows users to attach a barcode scanner to the computer being used (normally a laptop or tablet). The user can then walk around the store and scan the barcodes of merchandise on any fixture.

In-Store Space Collaboration will then check that data against any known planograms and display a list for the user. Scanning further barcodes will allow the list to be narrowed to a specific planogram.

This will allow the user to identify an unknown planogram or to verify the planogram in place is that specified in the store plan.

The option is invoked by clicking on the Scan icon in the planogram toolbar.

If a barcode scanner is attached to the user's computer and the scan icon is clicked on the planogram toolbar, the Scan schematics dialog box will be invoked.

Scanning Planograms

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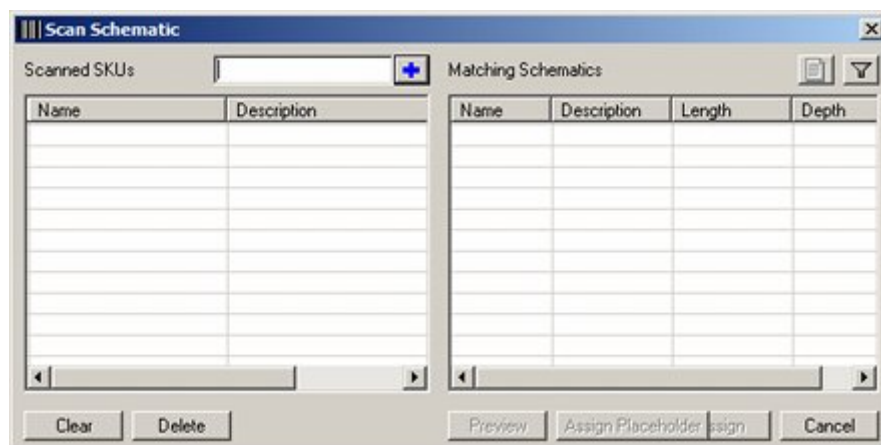
To scan planograms, click the Scan icon in the planogram toolbar.

If a barcode scanner is attached to your computer and the scan icon is clicked on the planogram toolbar, the Scan schematics dialog will be invoked.

Clicking the scan button (or clicking the trigger on the scanner itself), scans the barcode on the product. The barcode is then compared against the list of products in the database.

If the barcode is found in the list of products, it will display in the list of scanned items. If the barcode cannot be found an error message will be displayed.

Note: Depending on the make of scanner, it may be necessary to click the Scan button in the program then press the trigger on the scanner.



The Scanned SKU's window

The Scanned SKU's window contains details of all the merchandise that has been scanned. Each time a new item is added, the list of matching planograms will be automatically updated.

The Matching Schematics Window

The Matching Schematics window contains a list of all planograms that match the list of scanned barcodes.

Filter

The Filter option allows users to access a dialog box allowing them to set filters determining which planograms are displayed for comparison purposes against the scanned barcodes.

Clear button

The clear button removes all items from the list of scanned merchandise.

Delete button

The delete button allows the user to remove single or multiple items from the list of scanned merchandise.

This is useful if the user inadvertently scans an incorrect item and clears the list of possible planograms as a result.

Preview Button

The Preview button will be grey out unless a planogram has been selected in the Matching Schematics window. If active, clicking on this button will display the Schematic Preview.

Assign Placeholder button

If no matching planogram can be found, then the user has the option of placing a Product Placeholder.

In-Store Space Collaboration will determine the category that is appropriate to all scanned barcodes. If there is no subcategory that is common then a warning message will display and no placeholder will be placed.

In the case of no common subcategory, the user can place an alternative placeholder and add a note to explain their choice.

Assign button

When the assign button is clicked, the selected planogram will be assigned to the fixture and the Scan Schematics dialog box will close.

The following rules apply:

- If the planogram is longer than the selected fixture(s) length, then the end of the planogram will not be placed.
- If the planogram is shorter than the selected fixture(s) length, the planogram will not be applied to the excess length.

Cancel button

If the cancel button is clicked, the dialog box will close and the selection box will be cancelled.

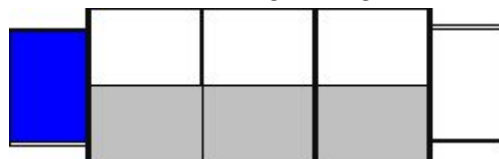
Category Insertion for Planograms

Overview of Category Insertion

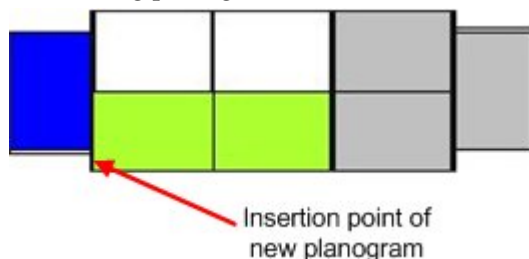
Category Insertion provides a way of repositioning products and planograms on fixtures without the need to delete and replace them.

Note: Fixture Adjacencies should have been calculated before using Category Insertion.

Consider the following small gondola with two planograms already placed.



The user has the option of inserting other planograms onto the gondola. If there is space, the existing planograms will move to make room.



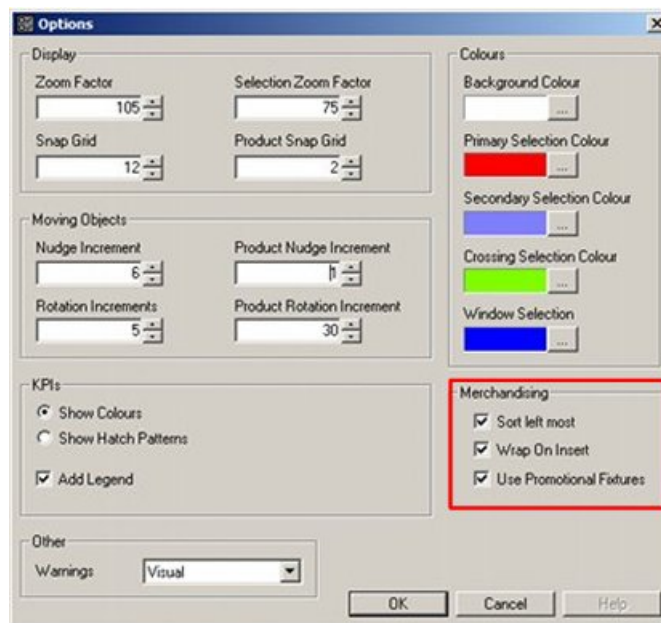
The user also has the option of temporarily moving existing planograms to the floor to make room for other planograms on the gondola.



These planograms can either be 'dragged and dropped' to another position on the gondola, or moved to other fixtures or gondolas.

Options Dialog Box

How Category Insertion behaves depends on settings in the Options dialog box (accessed from the toolbar).



If checked:

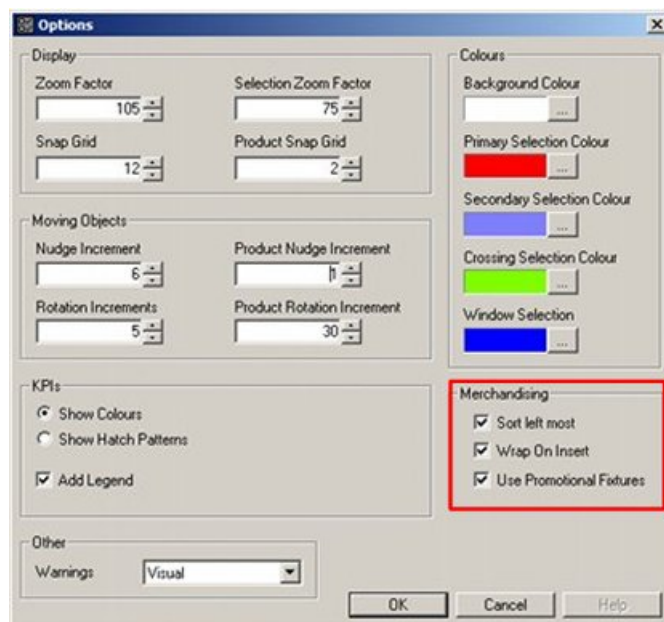
- Sort leftmost will populate the fixtures from the leftmost first as viewed from the front of the fixtures. (This has no influence on Category Insertion).
- Wrap on insert will allow fixtures on more than one side of the gondola to be populated.
- Use Promotional Fixtures will allow fixtures that have been tagged as promotional fixtures to be populated.

Adding Planograms to a Gondola

Category insertion enables a user to add planograms to a gondola, with the existing planograms moving to make room if required.

Note: Fixture Adjacencies should have been calculated before using Category Insertion.

Two of the settings in the Options dialog box affect how Category Insertion operates:



1. Wrap on Insert determines whether the planograms being inserted will be confined to a single side, or allowed to 'wrap' round onto other sides of the gondola.
2. Add Promotional Fixtures determines whether category insertion will include fixtures designated as Promotional Fixtures, or whether these will be excluded.

Category Insertion

To carry out category insertion:

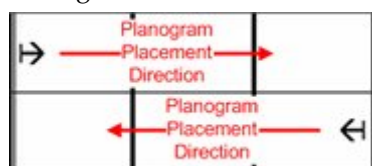
1. Ensure Calculate Adjacencies has been run if required. (This will require running every time fixtures/gondolas are added, moved or deleted in the floor plan).



2. Check that the appropriate settings have been made in the Options dialog box.
3. Verify Reverse Planogram is selected if required.



4. Highlight a planogram in the planogram hierarchy in the Object Browser, hold down the left mouse button and drag the planogram to the fixture it will be inserted at.
5. When the mouse cursor is over the fixture, it should be brought close to the left or right side. This will cause the Category insertion icon to appear

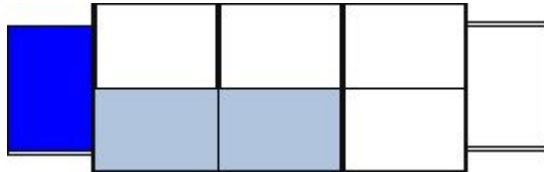


6. On releasing the left mouse button, the planogram will place.

Note: If the mouse icon is a multi directional arrow (as opposed to the above example) then the planogram will be placed normally - not inserted via Category Insertion.

Worked Examples

Consider a small gondola with both endcaps set as promotional fixtures and with a 1 bay planogram placed.



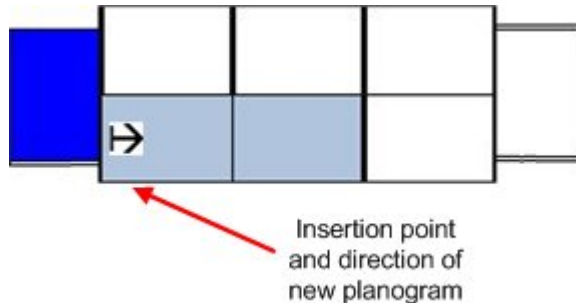
Case 1 - Wrap on Insert and Use Promotional Fixtures Off

In this case, there is only sufficient room for a 1 bay planogram to place. In the event that the user attempts to place a multi-bay planogram, no planogram will place and a warning will result.

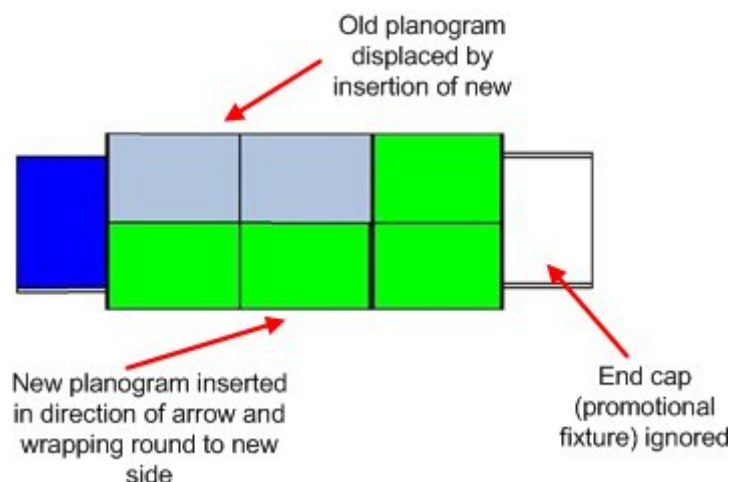


Case 2 - Wrap on Insert On and Use Promotional Fixtures Off

In this case, it is possible to place a multi-bay planogram. The start point can be selected by selecting a planogram in the planogram hierarchy and dragging it to the required fixture. When the mouse cursor is close to the left hand side of the fixture the directional arrow appears, indicating that the planogram will be inserted to the right.



If a 4 bay planogram is inserted, the result is as follows:

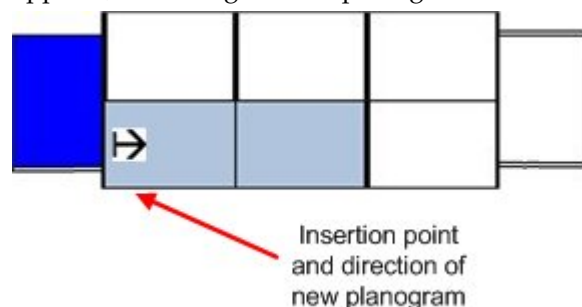


A four bay planogram has been inserted and in doing so has displaced the 2 bay planogram to the opposite side of the fixture. Because the end cap was a promotional fixture (and Use Promotional Fixtures was off), it has not been populated.

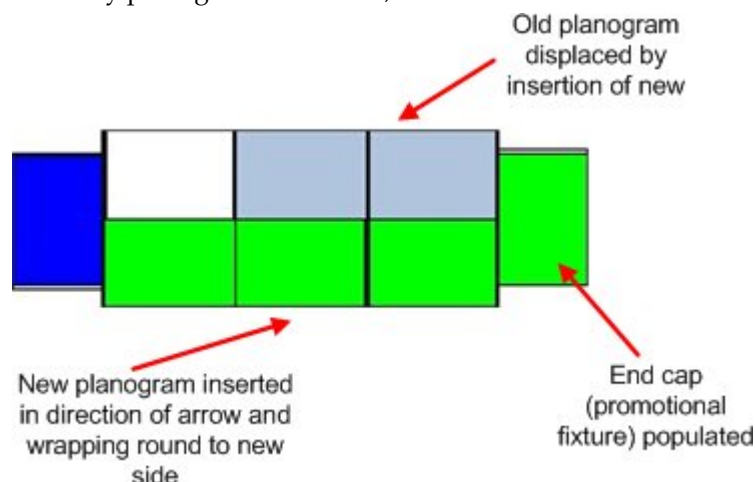
Note: the sequence the bays will insert in depends on whether Reverse Planogram (toolbar) is on or not.

Case 3 - Wrap on Inset and Promote Promo On

Again, it is possible to place a multi-bay planogram. The start point can be selected by selecting a planogram in the planogram hierarchy and dragging it to the required fixture. When the mouse cursor is close to the left hand side of the fixture the directional arrow appears, indicating that the planogram will be inserted to the right.



If a 4 bay planogram is inserted, the result is as follows:



A four bay planogram has been inserted and in doing so has displaced the 2 bay planogram to the opposite side of the fixture. Because the end cap is a promotional fixture (and Use Promotional Fixtures is on), it was populated.

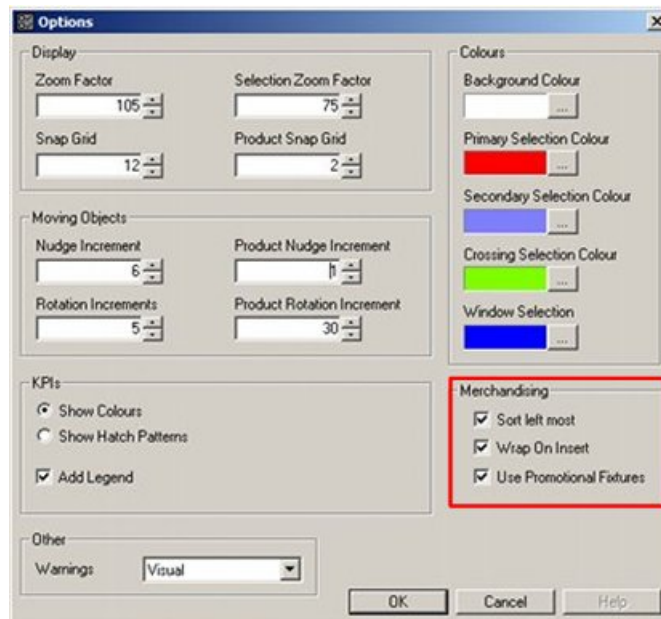
Note: the sequence the bays will insert in depends on whether Reverse Planogram (toolbar) is on or not.

Moving Planograms to the Floor

Category Insertion also allows planograms to be moved to the floor. This frees up space on the fixtures. The planograms on the floor can then be 'dragged and dropped' in order to rearrange them.

Note: Fixture Adjacencies should have been calculated before using Category Insertion.

Add in adding planograms, two of the settings in the Options dialog box affect how Category Insertion operates when the products are moved back to fixtures:



1. Wrap on Insert determines whether the planograms being inserted will be confined to a single side, or allowed to 'wrap' round onto other sides of the gondola.
2. Populate Promo determined whether category insertion will include fixtures designated as Promotional Fixtures, or whether these will be excluded.

The grouping option on the status bar determines how planograms are selected.



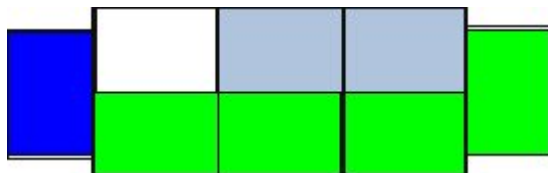
1. If Grouping is Off, then all required bays of the planogram have to be selected.
2. If Grouping is On, then selecting one bay of the planogram will select them all.

Finally, the Reverse Planogram option on the toolbar determines whether the planogram will be placed in normal or reversed sequence when it is placed back onto fixtures.

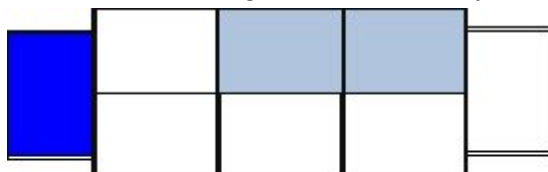


Moving to Floor

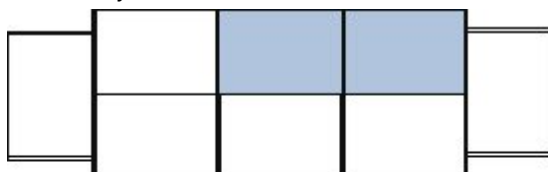
To move planograms to the floor, select them in the floor plan by clicking them, and then drag them to the floor. The shape they occupy on the floor will depend on what is selected.



Consider the above gondola with a 1 bay, a 2 bay and a 4 bay planogram.



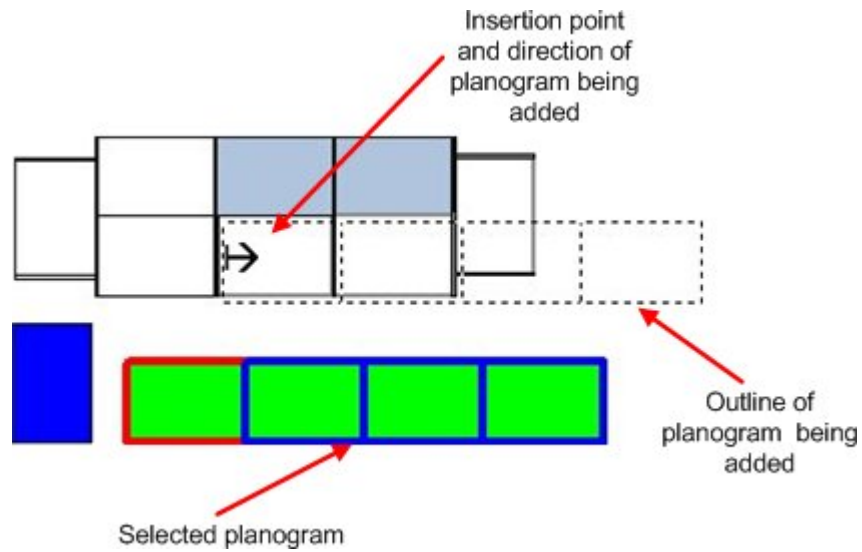
If (as above) a single planogram is selected, it will be straightened out to form a single line of bays.



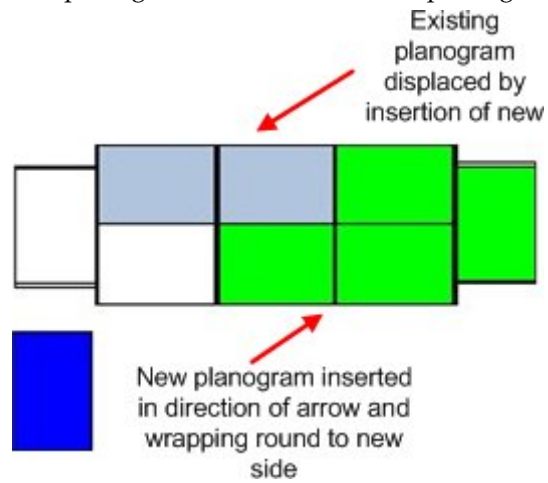
If multiple planograms are selected, then the individual bays will retain the shape they occupied on the original fixtures.

Adding Back onto Fixtures

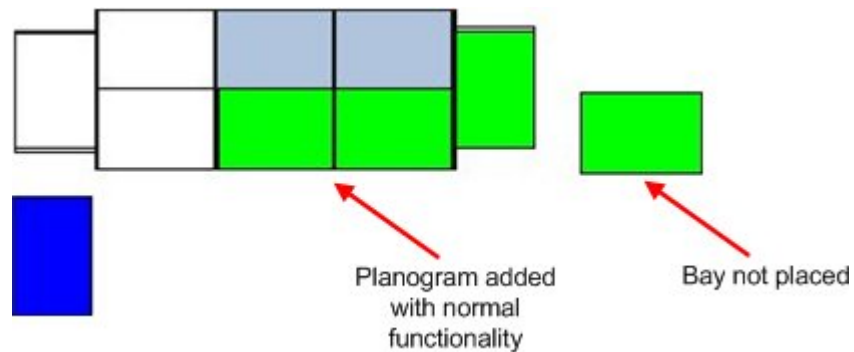
To add a planogram back to fixtures, select the required planogram from the floor by means of clicking the bays or using crossing or windows selection boxes, and then drag the planogram to the required start point. The unidirectional arrow should appear to show the direction the planogram being added should be inserted in.



The planogram will then insert, displacing other planograms as required.



Users should take care that the unidirectional arrow appears - if it does not, the planogram will be added back without displacing any existing planograms.



In the above example, there was only space for three bays, and the fourth bay remains on the floor.

Considerations for Category Insertion for Planograms

Leaving Planograms on the Floor

If planograms are moved onto the floor during Category Insertion operations and left there after the floor plan is saved and closed, this may have a significant effect on reporting accuracy. This is because the fixtures, products and planograms may be included in Fixture, Product and Aisle Adjacency calculations and subsequently appear in reports.

When placed on the floor, the planograms have a special parent fixture. This is called normally called Module (for metric databases) and I_Module (for Imperial databases). It is specified in the MODULE_BLK_ID system variable.

Note: it may be good practice to develop a KPI or BI Publisher report that identifies all modules in floor plans of specified status.

Moving Planograms to Fixtures of Different Size

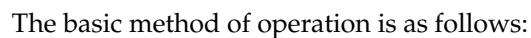
Using Category Insertion, planograms may be moved from fixtures of one size to fixtures of a completely different size. This may result in planograms being on inappropriately sized fixtures.

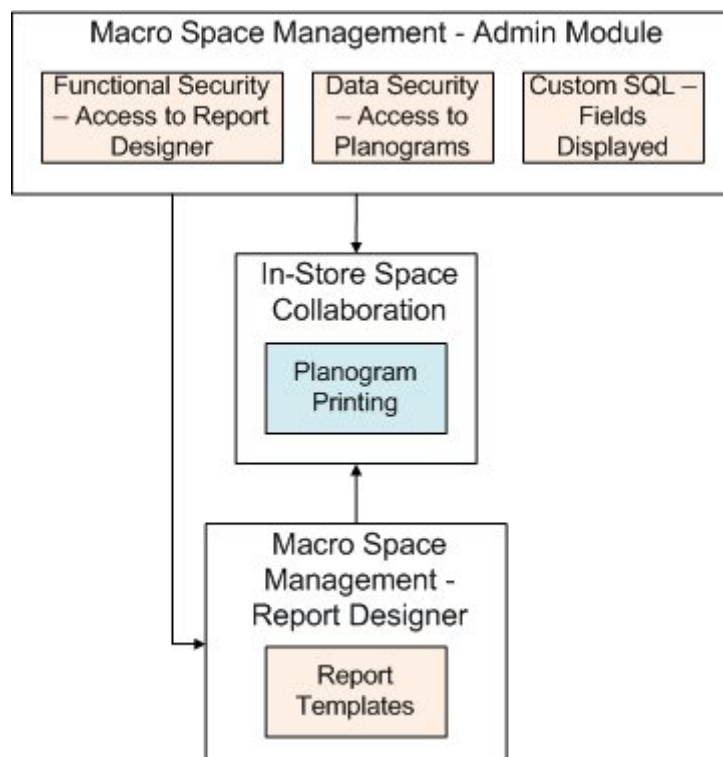
Note: it may be good practice to develop a KPI or BI Publisher report that identifies all planograms on inappropriately sized fixtures.

Overview of Planogram Printing

Note: permissions for some aspects of this functionality are set in the Macro Space Management application. If you cannot execute a task, check with an Administrator to see you have the appropriate privileges.

Note: the default settings for this dialog box are derived from settings in the Planogram Publishing Configuration dialog box in the Admin module.





1. Macro Space Management - Admin Module

Within the Admin Module:

- a. The planogram users have permissions to print are assigned in the Data Security dialog box.
- b. The fields that display in the Filtering Tab of the Print Planograms dialog box are configured in the Custom SQL dialog box.
- c. Planograms can be printed using report templates specified in the Macro Space Management Report Designer module. Permission to access this module is specified in the Functional Security dialog box.

These settings determine what will appear in the Print Planograms dialog box (and the reports that will be available) when it is accessed in In-Store Space Collaboration.

Note: In order to access the MSM Admin Module, users must have permission to do so.

2. In-Store Space Collaboration

The Print Planograms dialog box may be accessed from the toolbar - a floor plan containing planograms must previously have been opened. Users with permissions to access In-Store Space Collaboration automatically have permission to use the functionality.

3. Macro Space Management - Report Designer

The Report Designer module is used to design report templates that can be specified for use in the Print Planograms dialog box. Permissions to access this module are assigned in the Functional Security dialog box in the Admin module.

Note: In order to access the MSM Report Designer Module, users must have permission to do so.

Using Planogram Printing

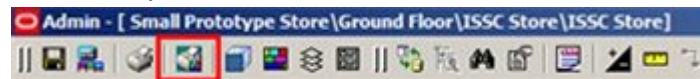
The functionality is used as follows:

- a. A floor plan containing planograms is opened in In-Store Space Collaboration.
- b. The Print Planogram option is selected from the toolbar.
- c. The appropriate planograms are selected in the Filtering tab of the Print Planograms dialog box.
- d. The report to use is specified in the Templates tab.
- e. The sequence the selected floor plans are to be printed in is specified in the Collation Tab.
- f. On clicking the Print button, the selected planogram reports will be printed on the default printer associated with the user's computer.

Accessing the Print Planogram Functionality

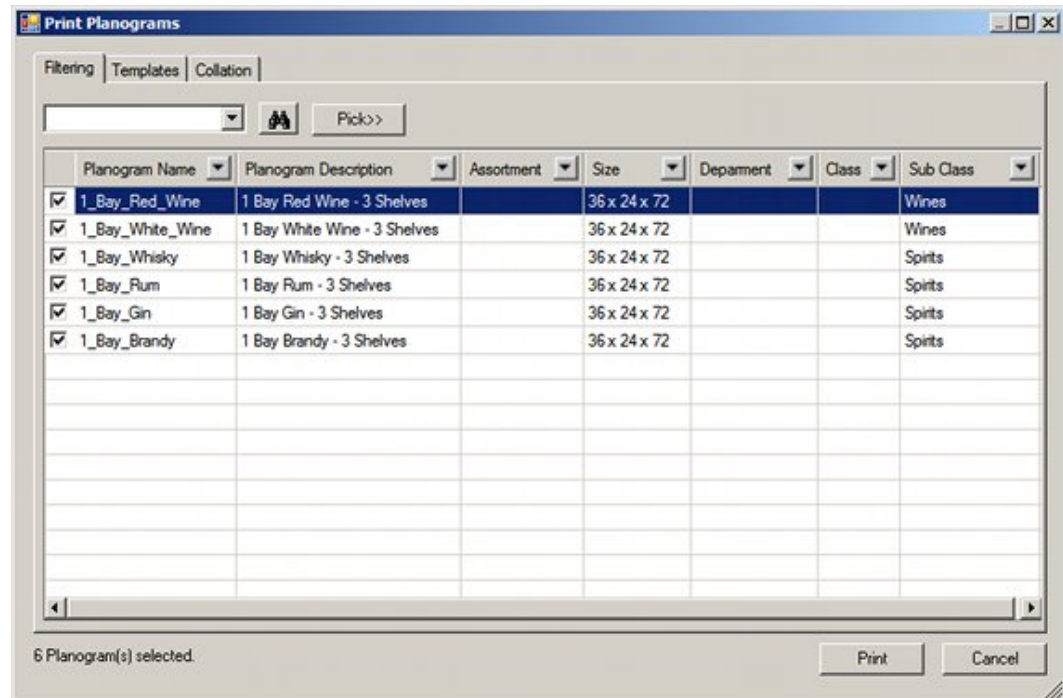
Note: before accessing the Print Planogram functionality, users should open a floor plan containing planograms.

The Print Planogram functionality is accessed from the toolbar. Users with permissions to access In-store Space collaboration will automatically have permission to use the functionality.



Opening State of Functionality

When the Print Planogram dialog box opens it will be populated with all planograms in the currently active floor plan. By default, they will be checked for selection.



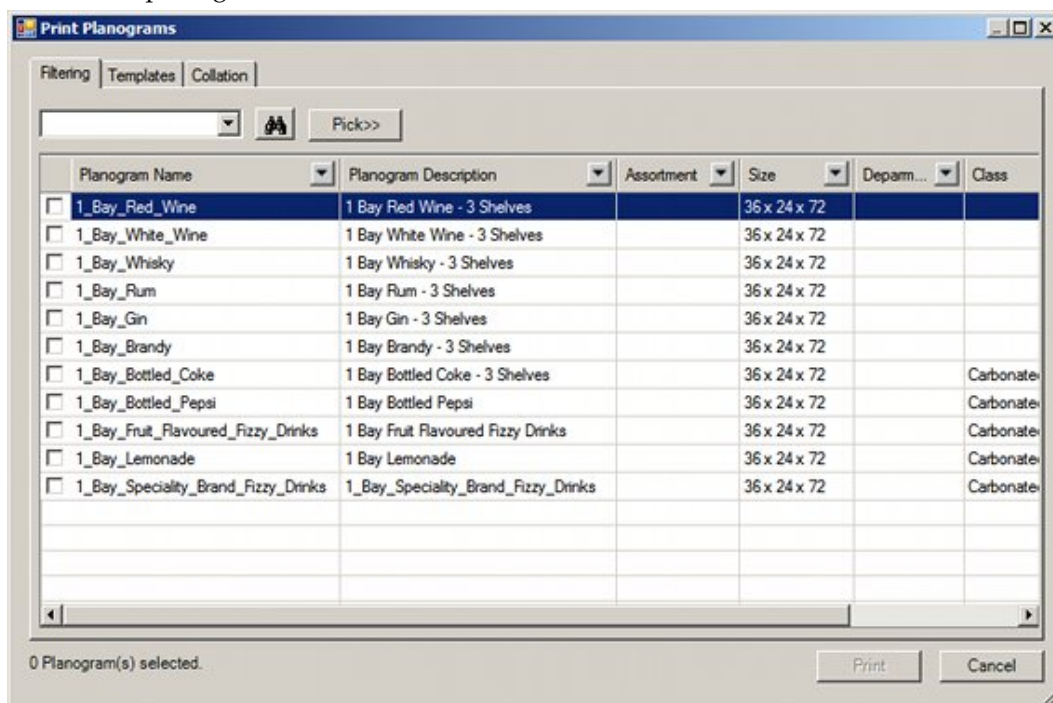
Note: the columns that are displayed in the dialog box are configurable in the Custom SQL option available from the General Menu in the Admin module.

The Filtering Tab

The **Filtering tab** enables the user to select the Planograms to print. It will populate with all planograms in the currently active floor plan.

Note: If there are multiple instances of a planogram in a floor plan, only a single entry will appear in the list of planograms.

The Filtering tab returns a list of all planograms in the database. If only specific zones have been loaded into the floor plan when it was opened, the Filtering tab will also contain the planograms in the zones that were not loaded.



The Find option can be used by typing text into the text box then clicking the Find icon. Each successive click will move the user to the next floor plan matching the text being searched for. When no more matches are available, a confirmatory dialog box will appear.



Find operates with explicit or implied wild cards. The explicit wild cards are:

Wild Card	Description
*	Any characters
?	Any character in this position
#	Any number in this position

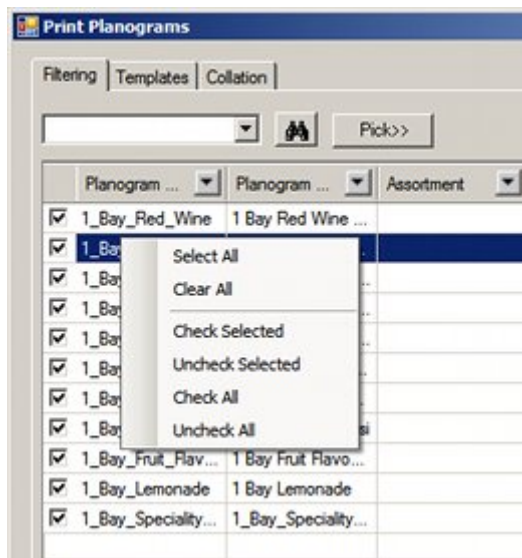
If explicit wild cards are not used, implicit wild cards will be assumed. For example the text entry 'Wine' will be treated as '*wine*' and will find I Bay Red Wine, 1 Bay White Wine, etc.

Pick

Pick takes the user to the currently active floor plan. They can then use standard selection methods to select specific planograms. When the selection is completed with a Return, the user will be returned to the Print Planogram dialog box and the dialog box will populate with the selected planograms.

Right Click Menu

The right click menu provides a quick way of modifying the selected items.



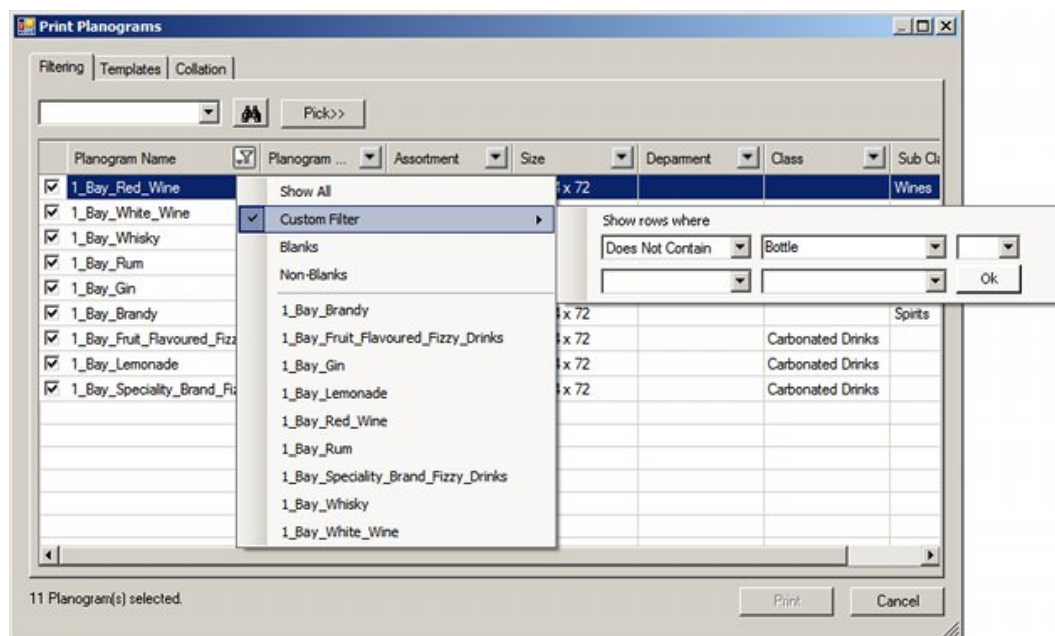
- a. **Select All** will select (but not check) all rows of data
- b. **Clear All** will deselect (but not uncheck) all rows of data
- c. **Check Selected** will check all rows of selected data
- d. **Uncheck Selected** will uncheck all rows of selected data
- e. **Check All** will check all rows of data
- f. **Uncheck All** will uncheck all rows of data
- g. **Paste** allows users to paste a carriage returned list of floor plan identifiers from the Windows clipboard. All rows in the dialog box that match the pasted information will be checked.

Selecting Planograms to Print

Planograms may be selected for printing by ticking the appropriate check box.

Using Filters in the Filtering Tab

The **Filtering Tab** is provided with a series of filters on each column. Setting a filter on one column will affect data in all other columns.



They are used as follows:

1. **Show All** - this option shows all results.
2. **Custom Filter** - this option allows users to set filters using Boolean logic. The options are:
 - a. **Equal to**: will return rows that are an exact match for the entered text.
 - b. **Not Equal to**: will return rows that do not match the text string
 - c. **Contains**: will return rows where part of the data matches the text string. (Uses implied wild cards).
 - d. **Does not contain**: will return rows where no part of the data matches the text string. (Uses implied wild cards).
 - e. **Begins with**: will return rows where the text string is an exact match for the start of the data.
 - f. **Ends with**: will return rows where the text string is an exact match for the end of the data.
 - g. **Does not begin with**: will return rows where the text string is not an exact match for the start of the data.
 - h. **Does not end with**: will return rows where the text string is not an exact match for the end of the data.
3. **Blanks** - column will be filtered to only show rows with null values.
4. **Non-Blanks** - column will be filtered to only show rows containing a value
5. **Results** - column will be filtered to only show the selected result.

Boolean logic also includes the use of **And** or **Or**.

- a. **And** means that both conditions must be met. **A and B** means the data returned must contain both A and B.
- b. **Or** means either condition can be met. **A or B** means the data returned can contain either A or B. It does not need to contain both.

The Templates Tab

The **Templates Tab** allows users to specify the template format to be used when printing planogram designs.

Print Planograms

Filtering | **Templates** | Collation

Options

☒ Use associated planogram document

☐ Raise error if associated planogram document is missing

☒ Use template if associated planogram document is missing

☐ Use template

☐ Use planogram's preferred template, if defined

☒ Use selected templates from list below

Report Templates

▼ [Icon]

Name	Paper Type	Paper Name	Orientation	Created	Created By	Modified
☒ Basic Planogram Report	9	A4	P	02/11/2010	Phil Wells	02/11/2010
☒ Planogram Equipment Report	9	A4	P	01/06/2011	Phil Wells	01/06/2011
☒ Planogram Product Report	9	A4	P	01/06/2011	Phil Wells	01/06/2011

Print Cancel

The user can use a radio button to specify the form the report will take: an imported 'associated planogram document' or a template that is configured in the Report Designer Module.

1. **Use Associated Planogram document** - this option publishes the planogram design information using a pre-generated report using one of the following file formats: BMP, GIF, JPEG, JPG, PDF, PNG, TIFF or WMF. This report will be imported when a planogram is imported using Oracle Data Integrator (ODI). The Associated Document (if available) is specified in the Associated Document text box in the Details tab of the Planogram Design dialog box in the Merchandiser module in Macro Space Management.

Planogram: 1_Bay_Mixed_Fizzy_Drinks

Details | Properties | Stores | Seasons | Fixture Styles | Design | Financial | UDAs

Name: 1_Bay_Mixed_Fizzy_Drinks Revision: 1

Description: 1 Bay Mixed Fizzy Drinks

Associated Document:

Size Description: 36 x 24 x 72

Status: Current Client Code: Example

Family Code: EXAMPLE Buddy Family Code: EXAMPLE

Assortment Code: EXMAPLE Units: Imperial Inch

Temperature Range: Ambient Goods Time Units: Standard Hour

Weight Range: < No Ranges Selected > Manpower Set Time: 4.00

Publish Date: Manpower Dismantle Time: 2.00

Effective Date: 11 May 2011 Category Role: Routine

Expiry Date: 31 December 2999 Inventory Model: EXAMPLE

Stock Type: Normal Bank: 0

Autofill Rule: < No Rule Selected > Traffic Flow: ☒ Left to Right ☐ Right to Left

Preferred Template: Basic Planogram Report Requires Power: ☐

Can be Split: ☐

OK Save As Cancel

There are two options (selected using the radio button) for when the pre-generated report is missing.

- a. Write an error to the AVTTB_PUBLISH_POG_LOG table. Information in this table can be read by means of a BI Publisher report or similar.
 - b. Use the default Report Designer template.
2. **Use Template** - this option allows the user to define the way the template from the Macro Space Management Report Designer module is selected. There are two options (selected using the radio button):
- a. **Use Planograms preferred template, if defined** - this option is specified in the Preferred Template drop down list in the Details tab of the Planogram Design dialog box in the Merchandiser module.
 - b. **Use Selected Template from List Below** - this option can be set by checking items in the list of available templates. One or more templates may be selected. If multiple templates are selected, the name of the template will be added to the file name in brackets - for example 1_Bay_Mixed_Fizzy_Drinks (Basic Planogram Report).pdf

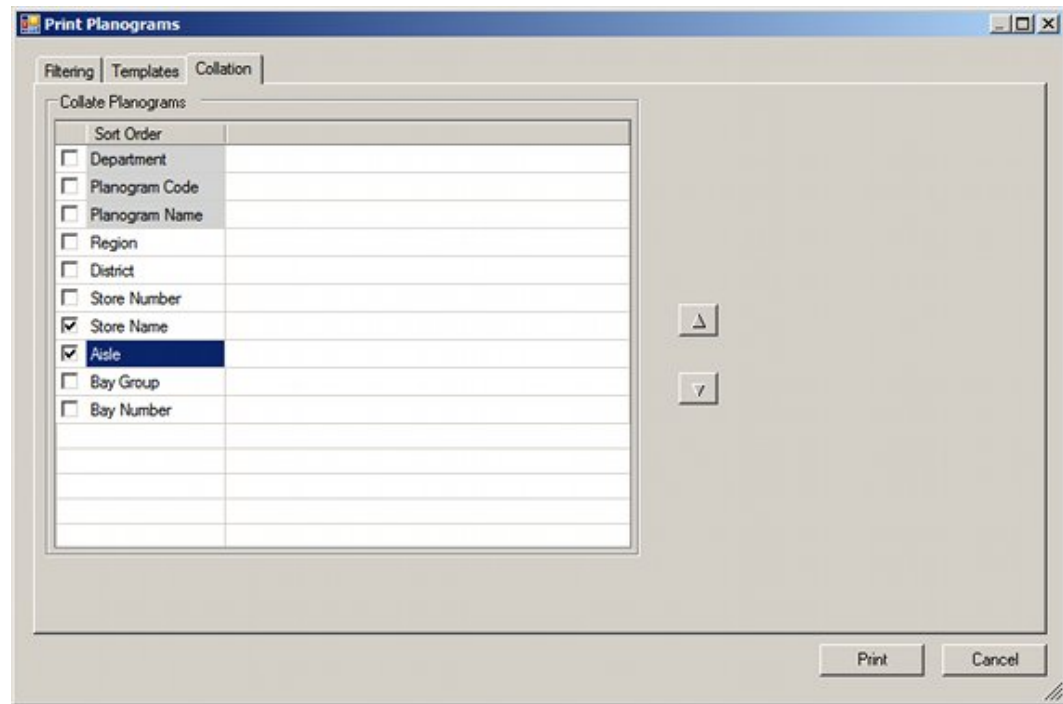
If necessary the list of planograms can be searched by entering a text string into the Report Template frame text box, then clicking the Find icon. (Actual or implied wild cards can be used). Each click of the find icon will cause the search engine to move forward through the matching results until no results are left.

Note: The last 10 text searches can be selected using the drop down list in the text box.

The Collation Tab

This allows users to specify the sequence the planogram designs will be printed in. This makes it easier to sort and distribute them after printing.

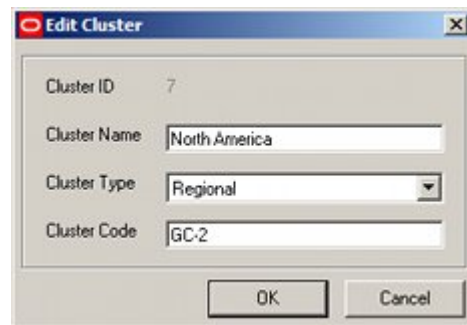
At least one collation option must be selected, or the tab will show as having an error.



The available options can be ordered by highlighting them, then using the up or down arrows. The options are made active by using the check boxes.

Certain of the options are not pertinent to printing Planograms from an active drawing. These are:

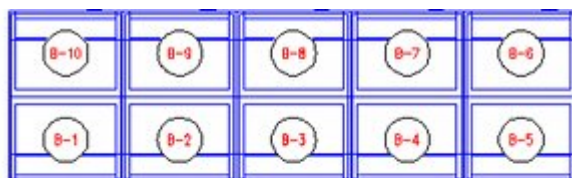
1. **Region:** a specific type of cluster set in the Cluster type drop down list in the Cluster dialog box in Store Manager.
2. **District:** a specific type of cluster set in the Cluster type drop down list in the Cluster dialog box in Store Manager.



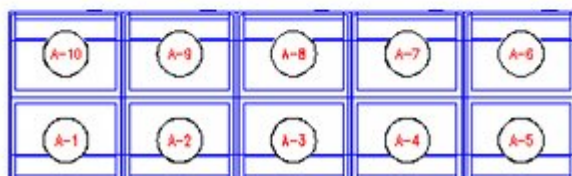
3. **Store Number:** the Store Code in the Store dialog box in Store Manager.
4. **Store Name:** the Store Name in the Store dialog box in Store Manager.

The options that impact on collation of printed planogram designs are:

5. **Department** is the department (zone) in the floor plan the planogram is associated with.
6. **Aisle** is the aisle the planogram is associated with. For this option to operate, aisles must first be drawn in the floor plan in the Planner module in Macro Space Management. In the example below, Aisle F-1 has been drawn between two runs of fixtures.

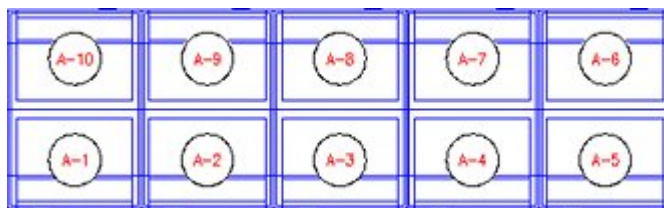


F-1



Note: Aisles are not visible in In-Store Space Collaboration. However, as the information is held in the database, ISSC users can opt to collate planograms by aisle so that planograms sharing an aisle print out together.

7. **Bay Number** is the bay number associated with the fixtures the planogram is placed on. For this option to operate, the fixtures in the floor plan must previously have been bay numbered in the Planner Module in Macro Space Management.



These bay numbers are then stored in the database and displayed in a simpler form in In-Store Space Collaboration.

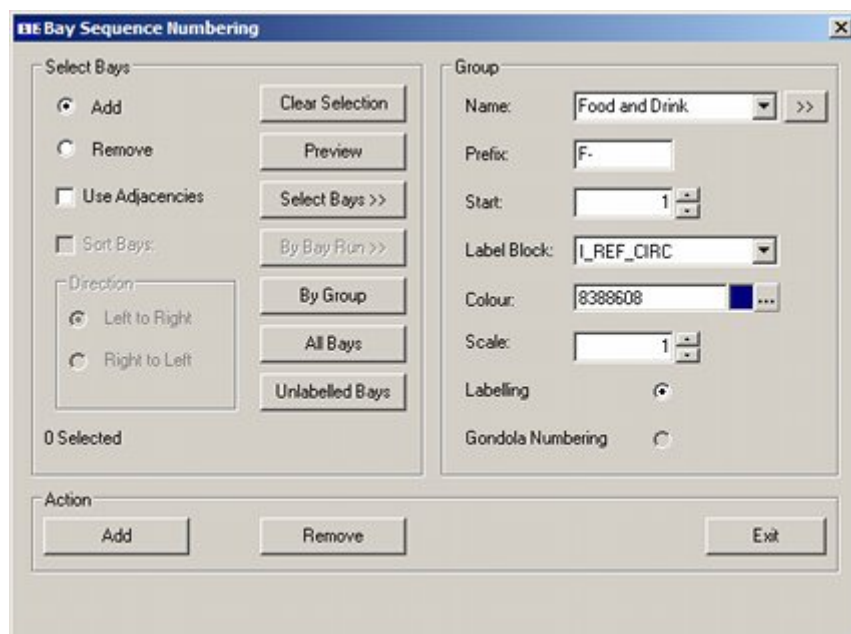
375		
4	11	12
376		
5		

They are displayed according to the following logic.

- a. If a Bay Number exists in the database, it will be displayed on the fixture.
- b. If a bay number does not exist in the database, the FIX_ID (Fixture ID) from the database will be displayed on the fixture.
- c. Fittings cannot be bay numbered and will this only display the Fixture ID from the database.

There is no easy way to identify whether a fixture has a bay number or Fixture ID associated with it in ISSC - it may be necessary to make reference to the Macro Space Management floor plan if it is necessary to collate by bay number.

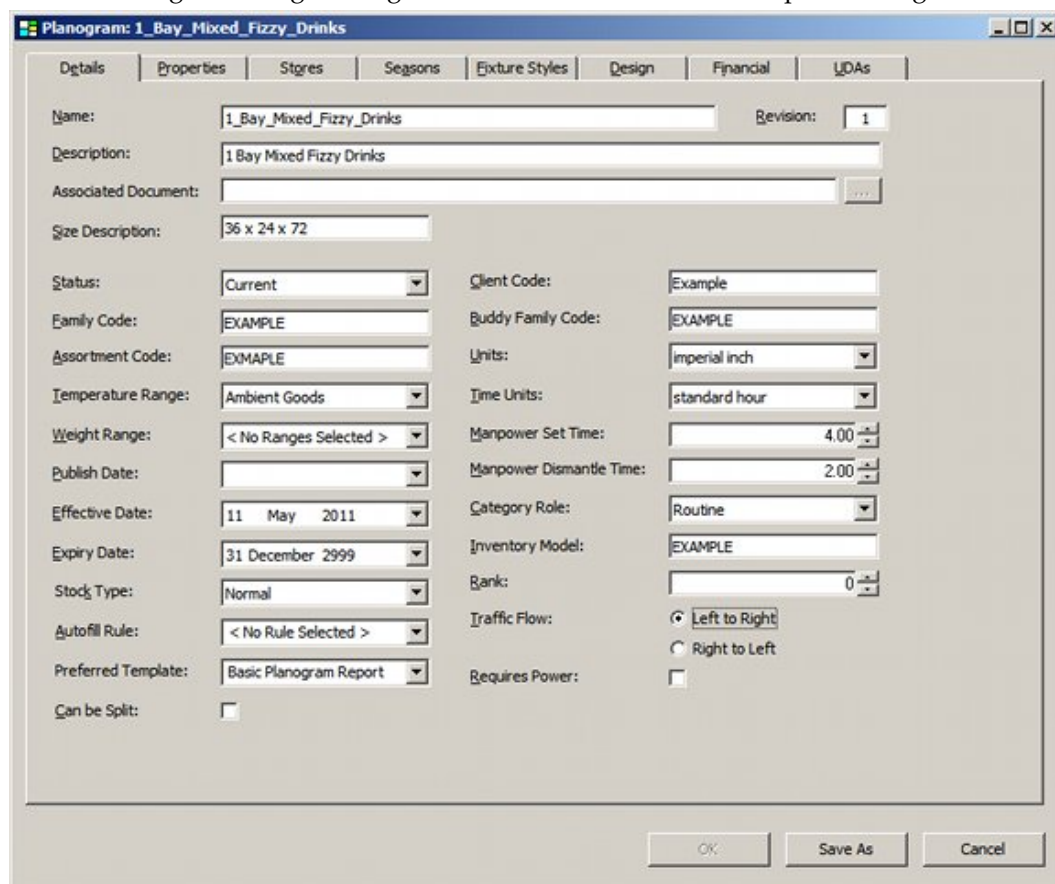
8. **Bay Group** is the Name assigned to a number of fixtures sharing a common characteristic. It is assigned in the Name field of the Bay Numbering dialog box in the Planner module in In-Store Space Collaboration. This information is not directly available in In-store Space Collaboration (although it is held in the database).



The **Bay Sequence Numbering** dialog box is used to configure how bays are numbered in a planogram. It is divided into several sections:

- Select Bays:** Contains radio buttons for **Add** (selected) and **Remove**. Below these are checkboxes for **Use Adjacencies** and **Sort Bays**. A **Direction** section has radio buttons for **Left to Right** (selected) and **Right to Left**. To the right of these are buttons: **Clear Selection**, **Preview**, **Select Bays >>**, **By Bay Run >>**, **By Group**, **All Bays**, and **Unlabelled Bays**. At the bottom left, it says **0 Selected**.
- Group:** Contains fields for **Name** (set to **Food and Drink**), **Prefix** (set to **F-**), **Start** (set to **1**), **Label Block** (set to **I_REF_CIRC**), **Colour** (set to **8388608**), and **Scale** (set to **1**). There are also checkboxes for **Labelling** (selected) and **Gondola Numbering** (unselected).
- Action:** Contains **Add**, **Remove**, and **Exit** buttons.

9. **Planogram Name** is the name of the planogram. This is set in the Name field of the Planogram Design dialog box in Merchandiser in Marco Space Management.
10. **Planogram Code** is the code for the planogram. This is set in the Client Code field of the Planogram Design dialog box in Merchandiser in Macro Space Management.



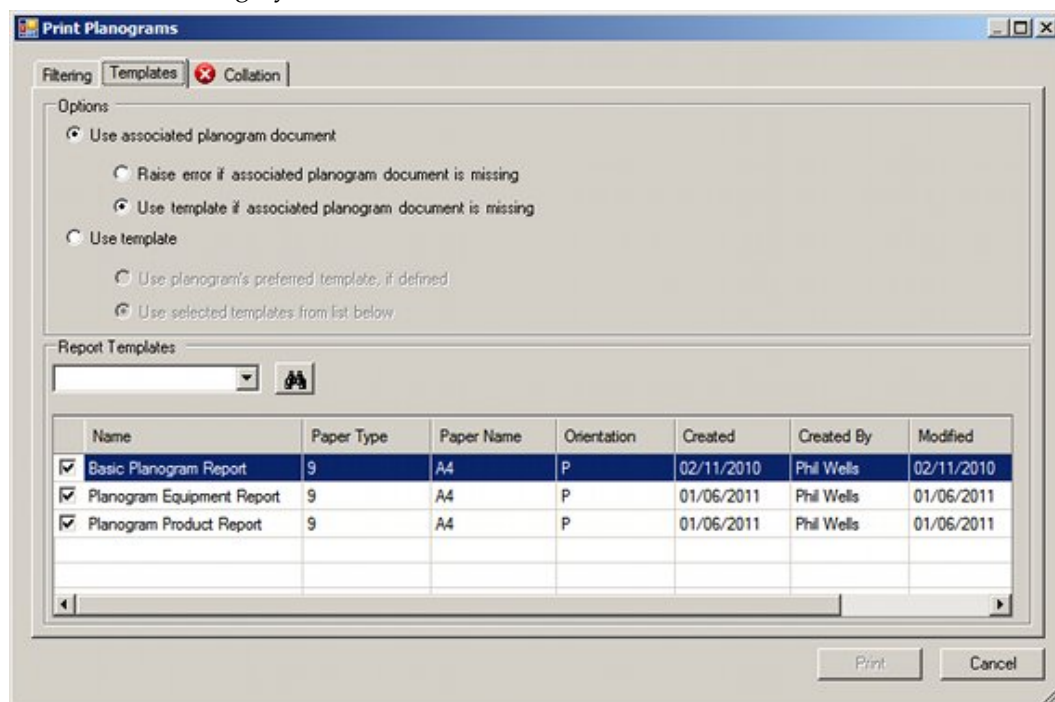
The **Planogram: 1_Bay_Mixed_Fizzy_Drinks** dialog box displays various details for a specific planogram. It has tabs for **Details**, **Properties**, **Stores**, **Seasons**, **Fixture Styles**, **Design**, **Financial**, and **UDAs**. The **Details** tab is active, showing the following fields:

- Name:** 1_Bay_Mixed_Fizzy_Drinks
- Description:** 1 Bay Mixed Fizzy Drinks
- Associated Document:** (empty field with a browse button)
- Size Description:** 36 x 24 x 72
- Status:** Current
- Family Code:** EXAMPLE
- Assortment Code:** EXMAPLE
- Temperature Range:** Ambient Goods
- Weight Range:** < No Ranges Selected >
- Publish Date:** (empty field)
- Effective Date:** 11 May 2011
- Expiry Date:** 31 December 2999
- Stock Type:** Normal
- Autofill Rule:** < No Rule Selected >
- Preferred Template:** Basic Planogram Report
- Can be Split:** (unchecked)
- Client Code:** Example
- Buddy Family Code:** EXAMPLE
- Units:** Imperial Inch
- Time Units:** standard hour
- Manpower Set Time:** 4.00
- Manpower Dismantle Time:** 2.00
- Category Role:** Routine
- Inventory Model:** EXAMPLE
- Rank:** 0
- Traffic Flow:** Left to Right (selected), Right to Left (unselected)
- Requires Power:** (unchecked)

At the bottom right, there are **OK**, **Save As**, and **Cancel** buttons.

Errors and Results

If any settings in the Print Planograms dialog box will lead to errors during printing, an error symbol will be displayed on the tab containing the data with the problem. The Print button will also be grayed out and unavailable.



Users must correct the problems before the Print button will activate.

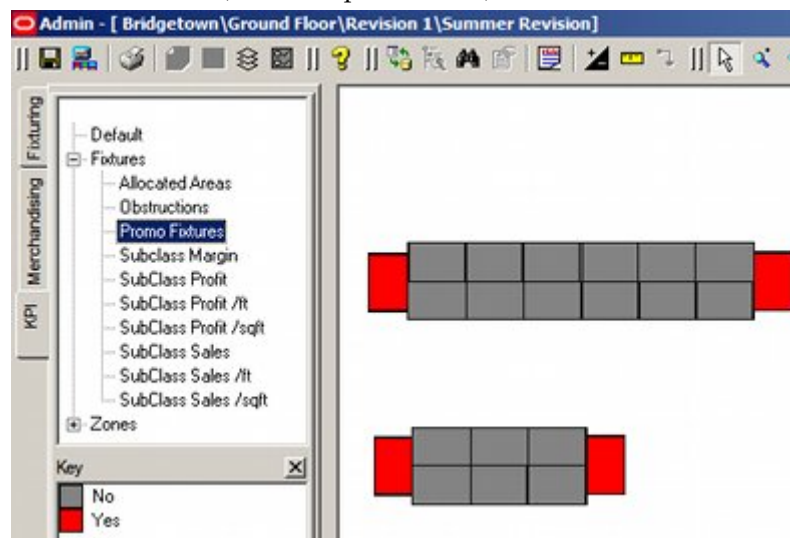
The results from Floor Plan printing are stored in two tables within the database. These results can be viewed via reports generated from BI Publisher (or similar software).

KPIs

About KPIs

Key Performance Indicators (KPI's) are a method of giving a visual indication of performance criteria in a floor plan, or in schematic preview. Key Performance Indicators can be applied to:

- Zones (Top Graphical View)
- Fixtures (Top Graphical View and Front Graphical View)
- Shelves (Front Graphical View)
- Products (Front Graphical View)



In the above example, a KPI has been used to identify promotional fixtures in the floor plan - promotional fixtures are colored red; the remaining fixtures in gray.

KPIs are configured in Macro Space Management. In-Store Space Collaboration users can then select from the available reports. Examples of KPI's that could be configured for use include:

- Sales turnover by week, month or quarter
- Profit by week, month or quarter.
- Merchandise over or underachieving planned sales volumes
- Categories of merchandise - Destination, Seasonal, Cash Generator, etc
- Seasonal merchandise due for replacement
- Illegally placed merchandise
- Merchandise showing a light level of wastage (shoplifting)

If configured appropriately, these KPI's can be used at differing levels of detail. For example a KPI could be developed to show sales performance by zone (macro performance). This could be complimented by a KPI that shows sales performance for individual products in a planogram (micro performance).

Configuring KPIs

Key Performance Indicators can be configured by users with access to the Planner or Merchandiser modules in Macro Space Planning. They may also need to understand the database schema. The facility to configure KPIs gives Macro Space Planning users the ability to produce reporting tools that can be customized to meet business needs.

Note: This section is intended to give In-Store Space Collaboration users an overview of the process. For more detailed information see the Macro Space Management documentation.

Stages in Creating Key Performance Indicators

There are three basic stages in creating Key Performance indicators:



Creating the Data Source

There are three possible sources of data for KPI's:

1. Tables or Views

KPIs can be based on information from Tables or Views (temporary tables). Views are more flexible because they can combine information from multiple tables. However, if Views other than those supplied with the database are required, they will have to be set up by someone with knowledge of the database schema.

2. SQL Statement

An SQL statement is a query written in a special language designed to extract data from databases. It can be used to extract data from single or multiple tables.

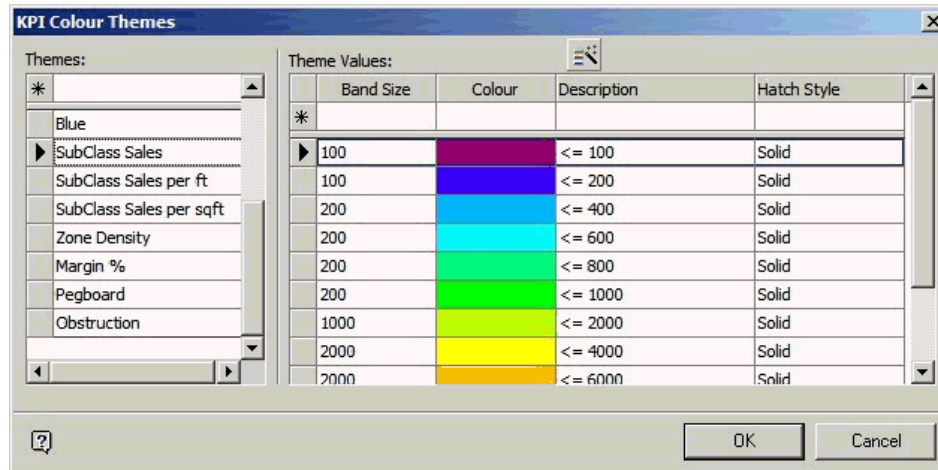
3. Stored Procedures

A stored procedure is similar to a SQL statement, except that it has been pre-compiled into a form that makes it execute quicker and more efficiently within a database.

Note: stored procedures are the most efficient way to generate data for KPI's as the data set can be pre-filtered to only include data for the current floor plan. If a View is used, it populates with data for all floor plans. This data is then filtered down to a subset for the currently open floor plan - a less efficient procedure.

Creating Themes

Themes are the bands KPI results are divided into. They can be customized by the user.

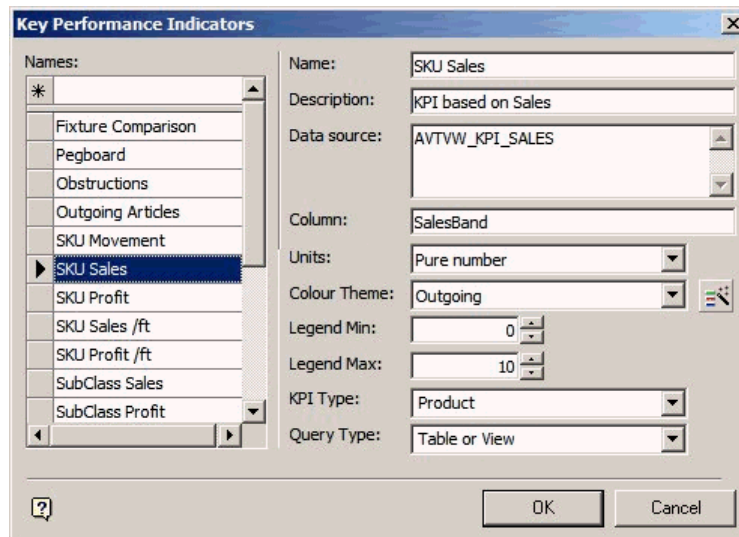


In the above example, the range of possible results from Sub-class Sales has been divided into bands. Each band will color according to the value it represents. This facility allows users to decide exactly how to color code the results.

The KPI Color Themes dialog box can be accessed from the KPI tab of the Object Browser in either the Planner or Merchandiser Modules in Macro Space Management.

Creating the KPI

Once a data source is available and the themes have been configured, the KPI itself can be configured using the Key Performance Indicators dialog box accessed from the KPI tab of the Object Browser in either the Planner or Merchandiser Modules in Macro Space Management.



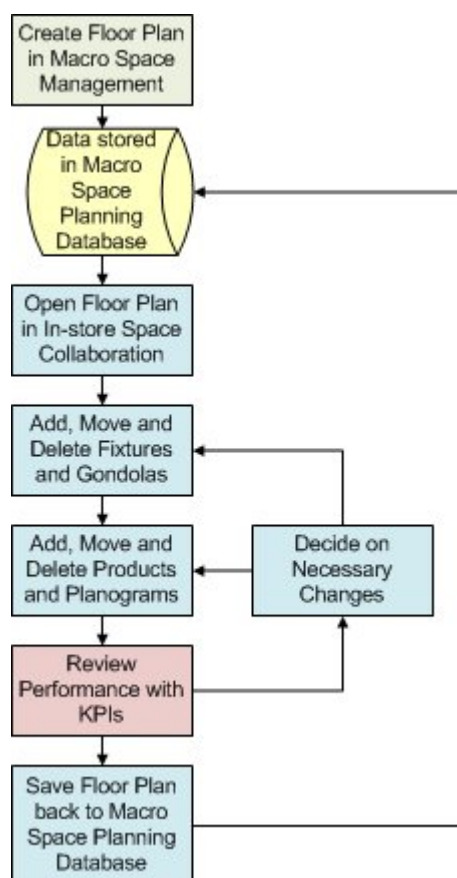
This dialog box allows the user to create a KPI, specify the data source and the column within the data source to use. It also allows the user to specify the color theme to be used to color code the set of results being used by the KPI.

Once configured, the KPI is available for use and can be selected from the Object Browser in the Planner and Merchandiser modules and in In-Store Space Collaboration.

Note: Care should be taken in re-configuring existing KPIs. The changes are global and will affect all users of that KPI.

KPI Process Flow

KPI's should be used as part of a business process in order to improve the layout and profitability of a floor plan. A typical scenario is illustrated below.



1. A floor plan is created in Macro Space Management

It is necessary to create the floor plan in Macro Space Management as In-store space collaboration does not have that capability. Users will also need the appropriate permissions to view that floor plan in In-Store Space Collaboration.

2. The data from this floor plan is saved to the Macro Space Planning database

This database is common to both Macro Space Management and In-Store Space Collaboration. It enables the two applications to interchange information.

3. The floor plan is opened in In-Store Space Collaboration

Users will need the appropriate permissions to view the floor plan in In-Store Space Collaboration.

4. Fixtures and gondolas are added, moved and deleted

In-Store Space Collaboration users have the ability to add, move and delete equipment in the floor plan.

5. Products and planograms are added, moved and deleted

In-Store Space Collaboration users also have the ability to add, move and delete merchandise in the floor plan.

6. The performance of the floor plan is reviewed with KPI's

KPI's can be configured to show any aspect of the operation and performance of the floor plan. As an example of what might be achieved with KPIs:

- A (client specific) KPI is used to verify that all fixtures in the drawing are of current design, not damaged, etc.
- Another (client specific) KPI is used to verify that merchandise in the drawing is the correct season, not illegally placed, etc.
- Another (client specific) KPI identifies all planograms sharing an aisle (Aisle Adjacency in Macro Space Management) are compatible with the other planograms in that Aisle (Adjacency rules in Macro Space Management).
- A standard KPI is used to identify the expected profit per week per square foot for each fixture (based on EPOS information and Macro Space Management's Area Calculations).

7. Decide on necessary changes

Based on the KPI information it would then be possible to take specific action in the floor plan. As an example:

- Outdated and damaged fixtures are identified for replacement and the floor plan updated accordingly.
- Some fixtures containing highly profitable planograms are insufficiently visible. The fixturing in the area is changed to improve the sight lines.
- One or two planograms sharing an aisle are recognized as not being a good combination. Alternative planograms are added.
- Based on the financial KPI, some low performing planograms are replaced with more profitable ones.

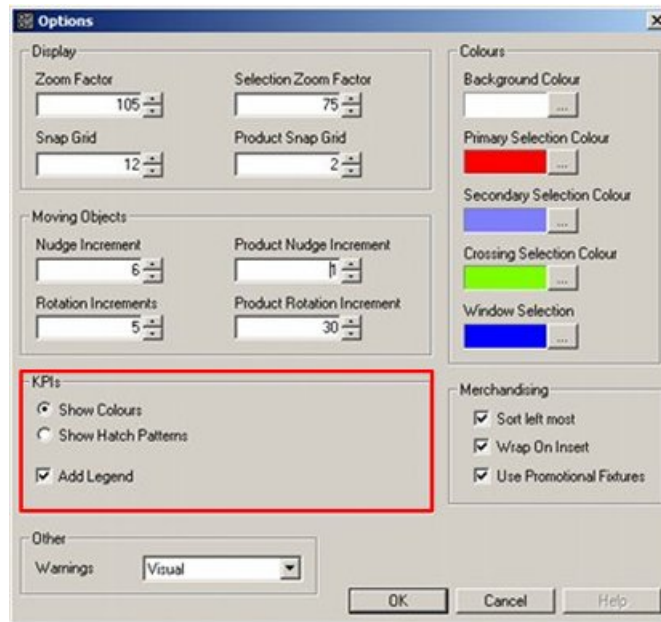
8. Save floor plan back to the Macro Space Planning database

Saving the floor plan makes it available to other users, both in Macro Space Management and In-Store Space Collaboration. Depending on how In-Store Space Collaboration is configured, saving the floor plan may also change its status.

Configuring the way KPIs Print

The In-Store Space Collaboration user can configure how KPIs print by changing the settings within the KPI frame in the Options window.

Note: the printing operation is essentially a 'screen grab'. Users can adjust what shows on the screen before printing the KPI.



1. The Show colors or Show Hatch Patterns radio button determines whether a floor plan with KPI's prints with objects colored or hatched.

Note: hatching is used for black and white printers where it would be impossible to distinguish between colors like red and orange.

2. Add legend adds a legend to the printed floor plan.

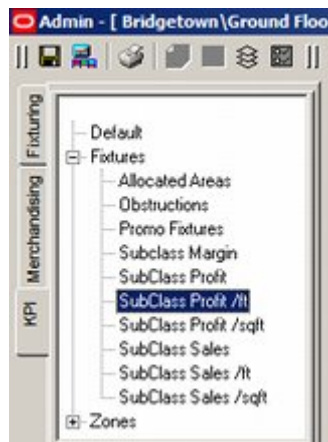
Note: the legend will initially be positioned at the origin (0, 0) of the floor plan. It may be necessary to drag the legend to a more convenient position before printing.

The KPI Tab

The KPI tab on the Object Browser contains three windows

The KPI Hierarchy Window

The KPI Hierarchy Window shows a list of the available KPI's.

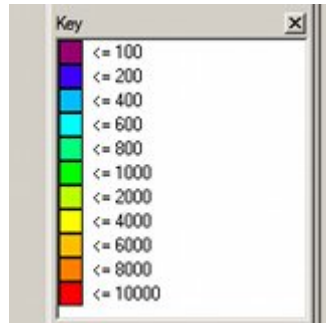


Click + to expand, and - to collapse the hierarchy.

The list of available KPI's is configured in either the Planner and Merchandiser modules in Macro Space Management. It cannot be altered in In-Store Space Collaboration.

The Key Window

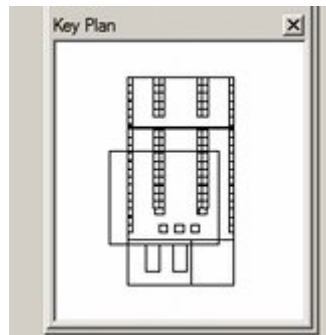
The Key Window indicates the legend that is used to code each fixture.



This legend may be either a color or a hatch pattern depending on the settings within the Options dialog box. The colors/hatch patterns and what they represent will vary from KPI to KPI.

The Key Plan Window

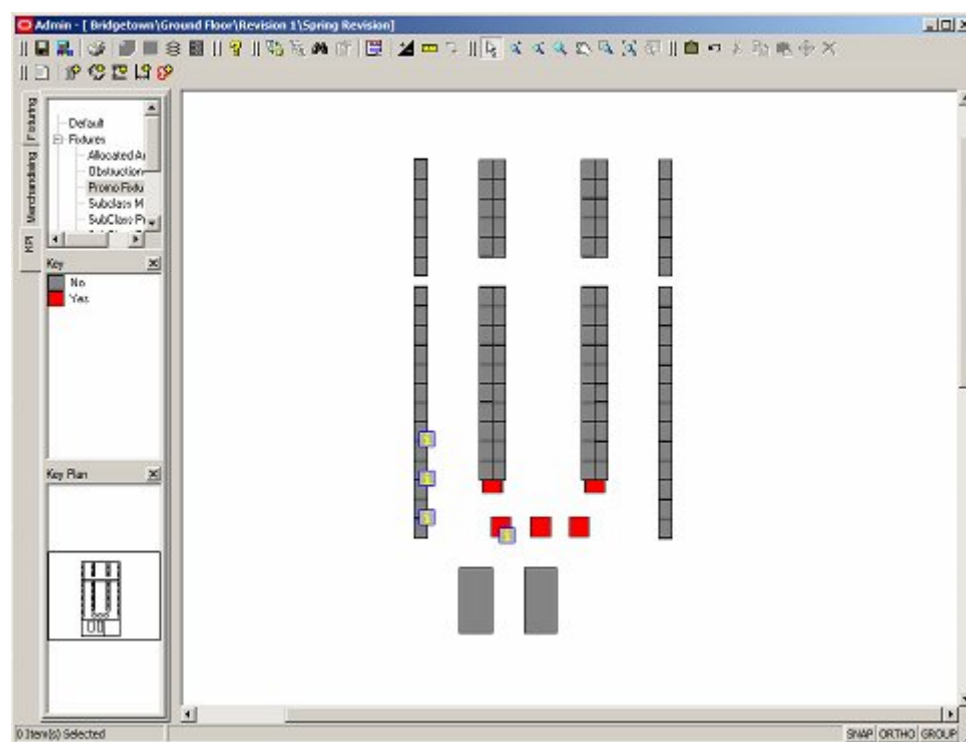
The Key Plan Window shows which part of the drawing is currently being viewed.



Using KPIs

To use a KPI:

1. Click on the KPI tab in the Object Browser to select the KPI option.
2. Go to the KPI Hierarchy window and left click on the required KPI to activate it. The drawing will then be color-coded or hatched with the appropriate results.



Note: for KPIs involving financial information, EPOS data will previously have been imported into the database.