



MA026 - Building Structural Elements

MSGovern

Release 6.0

Last Revision Update: 2014/04/23

Version History

Version	Date	Modified By	Description
1.0	2014/04/23	Zahir Kaci	Create document
1.1	2014/10/15	Zahir Kaci	Modification

Table of Contents

Summary	4
Description	4
Functionalities	5
Configuration	6
BED	6
OFD	7
GNA	9
GSM	10
MS GovernNet	11
IET	12
Mobile	12
Security	12
Scenario	13

Summary

This document describes the MA Building Structural Elements function.

It contains :

- Controller with a custom save, custom delete
- Action to refresh computed data with the daemon
- a custom Control **MA Building Structural Elements** to manage structural elements values
- The custom control includes also a button to allows loading values from a selected BSE Template

Description

The Building Structural Elements function allows the user to manage structural elements values related to the current Building.

The Information is stored in tables MA Buildings, MA_Buildings_1, MA_Buildings_2, MA_Buildings_3...etc...

Functionalities

1. – Controller

It calls the roll forward process when updating the Building structural elements data. The Delete button is always disabled because no delete is allowed in this function.

2. – Actions

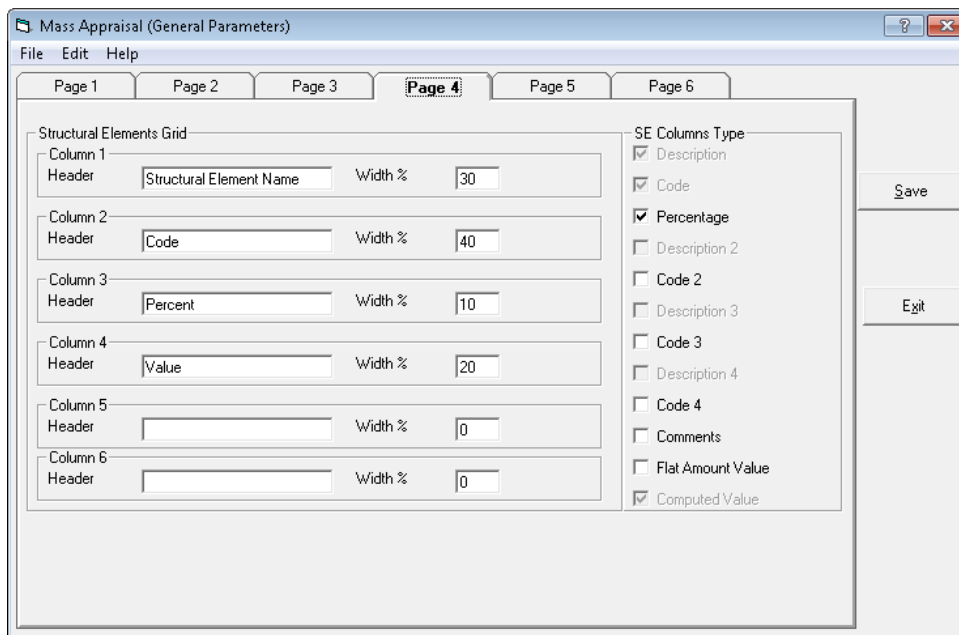
- Action Button to refresh computed data with the daemon
- Action button (included with the Custom Control) to load values from a selected BSE Template.

3. Building Structural Elements custom Control

Load and manage the structural elements values for the current Building. Those values are stored in tables MA Buildings, MA_Buildings_1, MA_Buildings_2,...etc...

SY_REGISTRY			
Name	Section Name	Key Name	Type
AssociateSEModels	Mass Appraisal	associate se to models	Yes or No
YearEffective_SE	Mass Appraisal	associate se to models year effective	Yes or No

- a) When a Code is selected, the content of all Building Structural Element codes in combo boxes are reloaded depending on the configured matrix.
- b) The displayed columns are configured in GovAdmin :



- c) There is also a security applied to the columns in the grid.

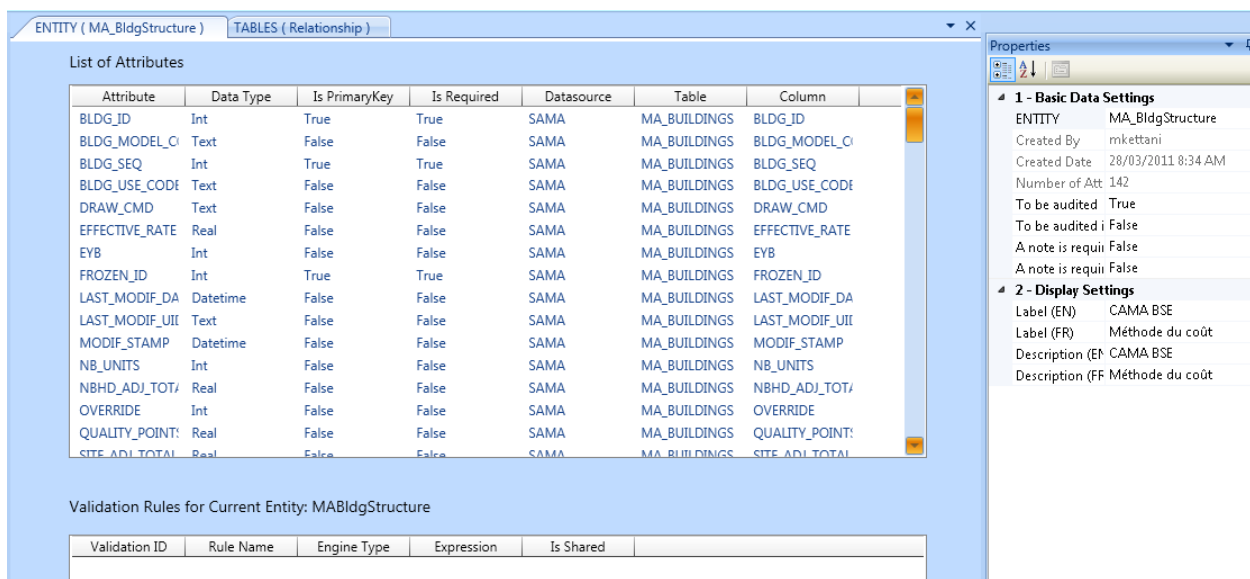
- d) There is a validation on required fields configured in GovAdmin.

Configuration

We only need to add setup in OFD and GSM.

We also need to do the setup of the Building Structural Elements in VB6. Please check in the VB6 documentation to see how to create new Building Structural Element and matrix.

BED



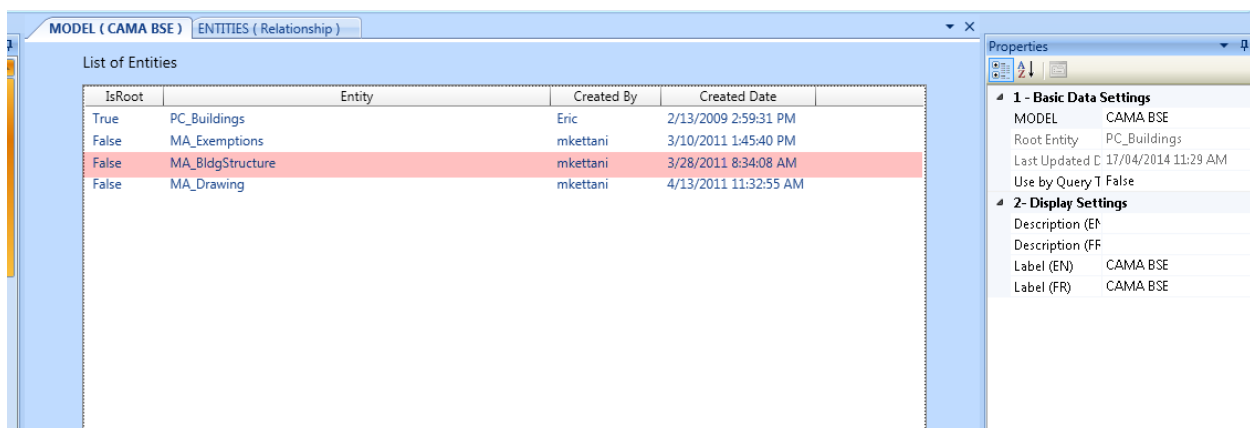
The screenshot displays the 'ENTITY (MA_BldgStructure)' configuration window. It includes a 'List of Attributes' table and a 'Validation Rules for Current Entity: MABldgStructure' table.

Attribute	Data Type	Is PrimaryKey	Is Required	Datasource	Table	Column
BLDG_ID	Int	True	True	SAMA	MA_BUILDINGS	BLDG_ID
BLDG_MODEL_CD	Text	False	False	SAMA	MA_BUILDINGS	BLDG_MODEL_CD
BLDG_SEQ	Int	True	True	SAMA	MA_BUILDINGS	BLDG_SEQ
BLDG_USE_CODE	Text	False	False	SAMA	MA_BUILDINGS	BLDG_USE_CODE
DRAW_CMD	Text	False	False	SAMA	MA_BUILDINGS	DRAW_CMD
EFFECTIVE_RATE	Real	False	False	SAMA	MA_BUILDINGS	EFFECTIVE_RATE
EYB	Int	False	False	SAMA	MA_BUILDINGS	EYB
FROZEN_ID	Int	True	True	SAMA	MA_BUILDINGS	FROZEN_ID
LAST_MODIF_DA	Datetime	False	False	SAMA	MA_BUILDINGS	LAST_MODIF_DA
LAST_MODIF_UII	Text	False	False	SAMA	MA_BUILDINGS	LAST_MODIF_UII
MODIF_STAMP	Datetime	False	False	SAMA	MA_BUILDINGS	MODIF_STAMP
NB_UNITS	Int	False	False	SAMA	MA_BUILDINGS	NB_UNITS
NBHD_ADJ_TOTL	Real	False	False	SAMA	MA_BUILDINGS	NBHD_ADJ_TOTL
OVERRIDE	Int	False	False	SAMA	MA_BUILDINGS	OVERRIDE
QUALITY_POINT	Real	False	False	SAMA	MA_BUILDINGS	QUALITY_POINT
SITE_ADJ_TOTAL	Real	False	False	SAMA	MA_BUILDINGS	SITE_ADJ_TOTAL

Validation ID	Rule Name	Engine Type	Expression	Is Shared

The right-hand 'Properties' pane shows settings for the 'MA_BldgStructure' entity, including basic data settings and display settings.

The Building Structural Elements is contained in the CAMA BSE Model.



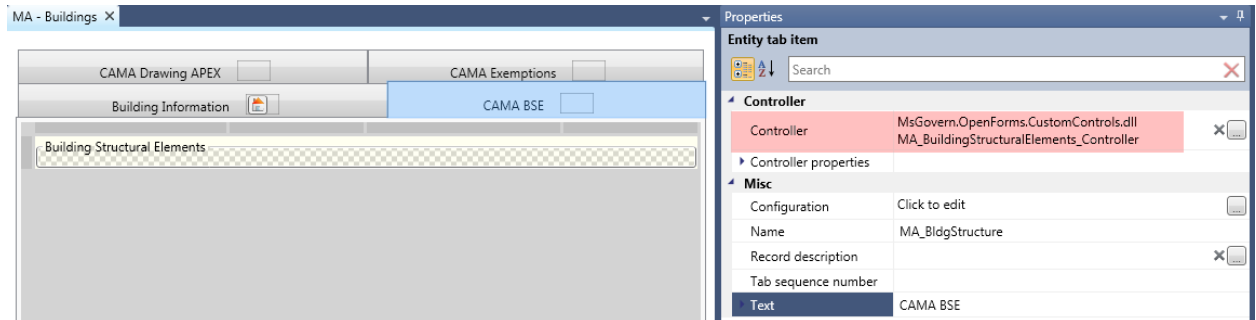
The screenshot displays the 'MODEL (CAMA BSE)' configuration window. It includes a 'List of Entities' table and a 'Properties' pane.

IsRoot	Entity	Created By	Created Date
True	PC_Buildings	Eric	2/13/2009 2:59:31 PM
False	MA_Exemptions	mkettani	3/10/2011 1:45:40 PM
False	MA_BldgStructure	mkettani	3/28/2011 8:34:08 AM
False	MA_Drawing	mkettani	4/13/2011 11:32:55 AM

The 'Properties' pane on the right shows settings for the 'CAMA BSE' model, including basic data settings and display settings.

OFD

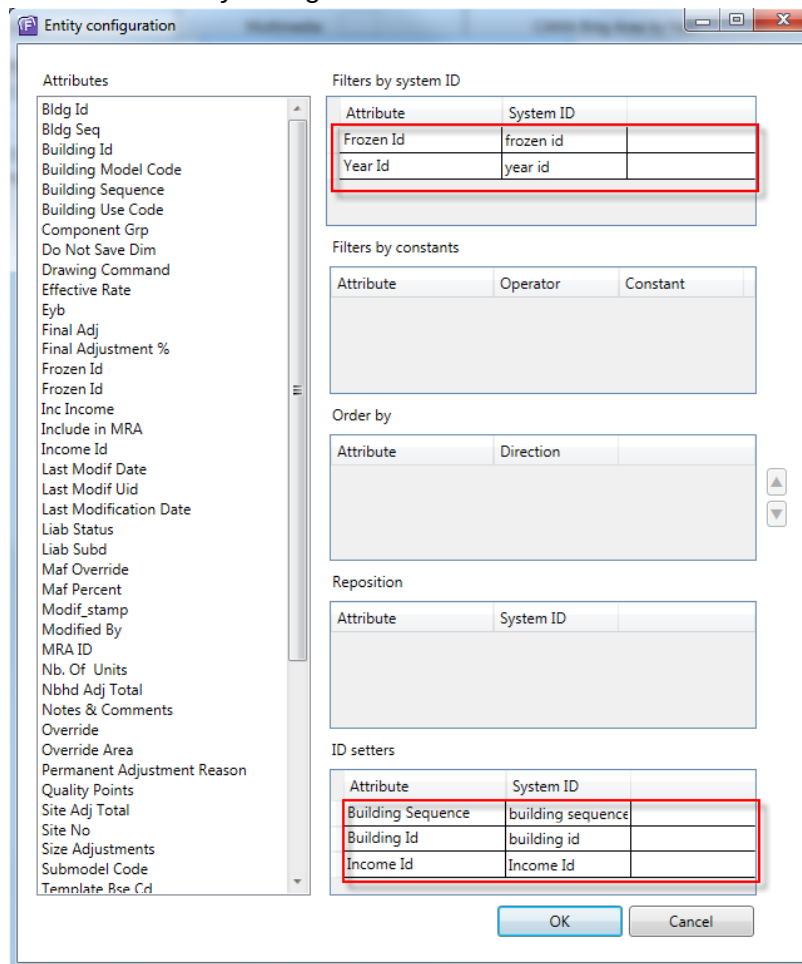
- Controller



The screenshot shows the 'MA - Buildings' application window. The 'Building Structural Elements' form is visible, and the 'Properties' pane on the right is open. The 'Entity tab item' section shows the following configuration:

Entity tab item	
Controller	MsGovern.OpenForms.CustomControls.dll MA_BuildingStructuralElements_Controller
Controller properties	
Misc	
Configuration	Click to edit
Name	MA_BldgStructure
Record description	
Tab sequence number	
Text	CAMA BSE

- Fields in Building Structural Elements :
There is no Fields in the Building Structural Elements Form but only a custom control.
- Add entity configuration:

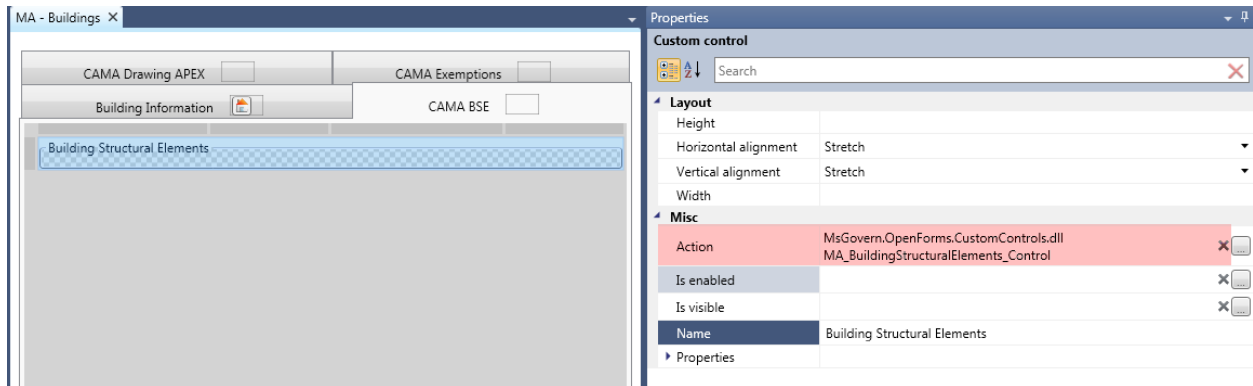


The 'Entity configuration' dialog box is shown. It contains several sections for configuring the entity:

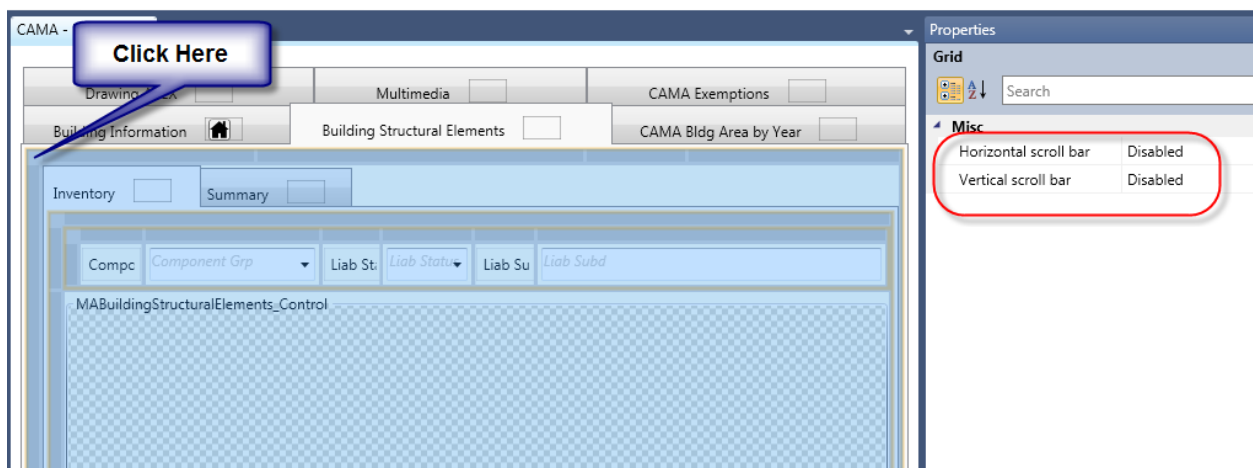
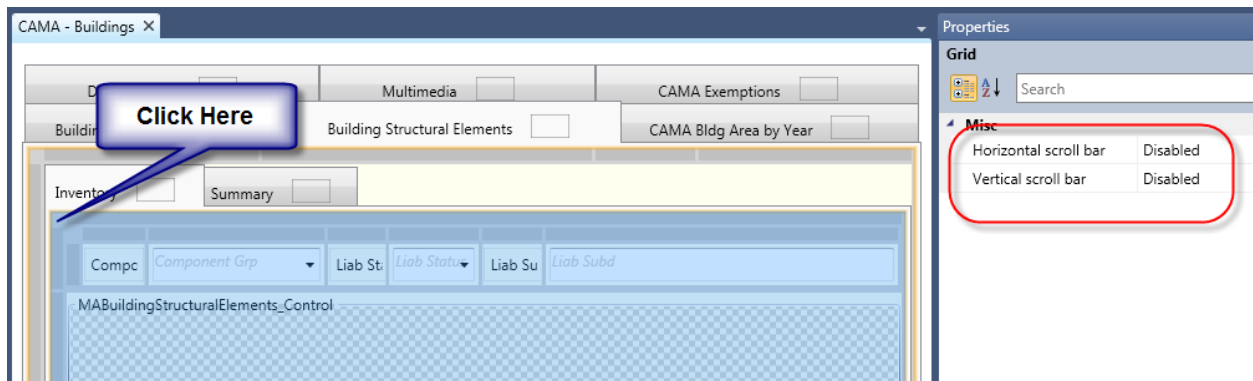
- Attributes:** A list of attributes including Bldg Id, Bldg Seq, Building Id, Building Model Code, Building Sequence, Building Use Code, Component Grp, Do Not Save Dim, Drawing Command, Effective Rate, Eyb, Final Adj, Final Adjustment %, Frozen Id, Frozen Id, Inc Income, Include in MRA, Income Id, Last Modif Date, Last Modif Uid, Last Modification Date, Liab Status, Liab Subd, Maf Override, Maf Percent, Modif_stamp, Modified By, MRA ID, Nb. Of Units, Nbhd Adj Total, Notes & Comments, Override, Override Area, Permanent Adjustment Reason, Quality Points, Site Adj Total, Site No, Size Adjustments, Submodel Code, and Template Rse Ctrl.
- Filters by system ID:** A table with columns 'Attribute' and 'System ID'. It contains two rows: 'Frozen Id' with 'frozen id' and 'Year Id' with 'year id'.
- Filters by constants:** A table with columns 'Attribute', 'Operator', and 'Constant'.
- Order by:** A table with columns 'Attribute' and 'Direction'.
- Reposition:** A table with columns 'Attribute' and 'System ID'.
- ID setters:** A table with columns 'Attribute' and 'System ID'. It contains three rows: 'Building Sequence' with 'building sequence', 'Building Id' with 'building id', and 'Income Id' with 'Income Id'.

Buttons for 'OK' and 'Cancel' are at the bottom.

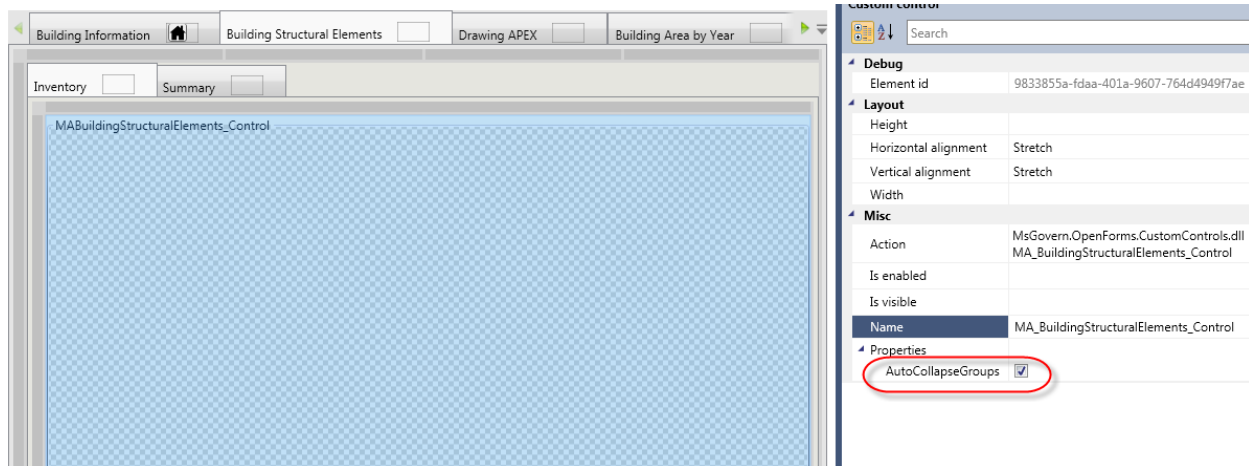
- Custom Control: Building Structural Elements



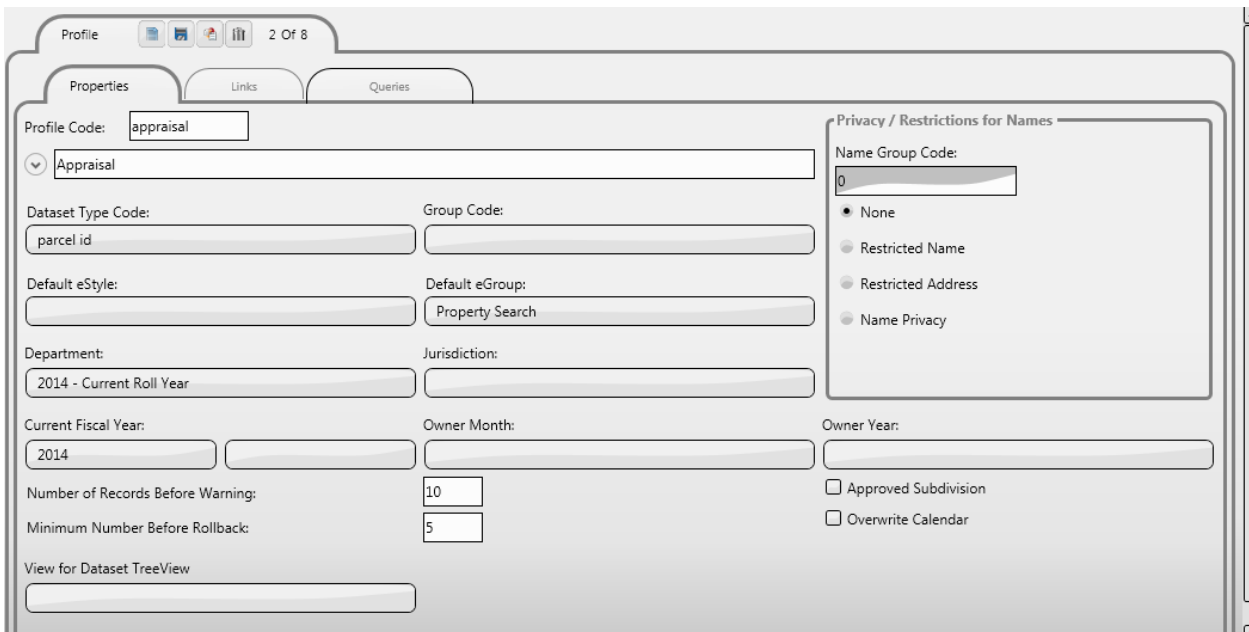
- Disable Vertical and Horizontal Scroll Bars



- Configure the **AutoCollapseGroups** property for the BSE Data Grid
If this property is checked the Groups in the BSE Data Grid will be automatically collapsed. If not the groups will be automatically expanded.



GNA



The screenshot shows the GNA application's 'Profile' configuration page. The 'Properties' tab is selected. The 'Profile Code' is set to 'appraisal'. The 'Dataset Type Code' is 'parcel id' and the 'Group Code' is 'Property Search'. The 'Default eStyle' is '2014 - Current Roll Year' and the 'Default eGroup' is 'Property Search'. The 'Department' is '2014 - Current Roll Year' and the 'Jurisdiction' is 'Property Search'. The 'Current Fiscal Year' is '2014' and the 'Owner Month' is '10'. The 'Number of Records Before Warning' is '10' and the 'Minimum Number Before Rollback' is '5'. The 'View for Dataset TreeView' is set to 'Property Search'. On the right, the 'Privacy / Restrictions for Names' section is expanded, showing 'Name Group Code' as '0' and 'None' selected. The 'Approved Subdivision' and 'Overwrite Calendar' checkboxes are unchecked.

Profile     2 Of 8

Properties Links Queries

Forms

- MA17 - Land Information
- SAM_MA59 - SAMA Summary Values
- MA26 - MA - Buildings**

GSM

Save Refresh Close

General Permissions

Application	E	Alt. E	V	Alt. V	I	Alt. I	U	Alt. U	D	Alt. D	B	Alt. B
GIS	☒		☒		☒		☒		☒		☒	
GNA	☒		☒		☒		☒		☒		☒	
Govern	☒		☒		☒		☒		☒		☒	
nhewittlendum	☒		☒		☒		☒		☒		☒	
Menu			☒									
Profiles	☒											
Accounts Receivable			☒									
Appraisal			☒									
External Commands	☒											
OpenForms	☒											
Land Information	☒											
MA - Buildings	☒											
SAMA Summary Values	☒											
Queries	☒											
Reports	☒											
Business Assessment			☒									
Land Management			☒									
Name and Address			☒									

MS GovernNet

MA - Buildings X

Building Information • CAMA BSE     CAMA Drawing APEX CAMA Exemptions

Drag a column header here to group by that column.

Structural Element Name	Code	Percent	Value
21190 Description			
21200 Occupancy Type	806		
21205 Construction Class	Concrete		
21210 Construction Quality			
21215 Basement Quality			
21220 Exterior Wall Material 1			
21225 Exterior Wall Material 2			
21230 Heating Type 1	Electric Panels		2
21235 Heating Type 2			
21240 Ventilation	No Ventilation		
21245 Air Conditioning Type 1			
21250 Air Conditioning Type 2	Central Unit - Zoned		10
21255 Sprinklers 1			
21260 Sprinklers 2			
21265 Elevators			

CAMA - Buildings X

Building Information Building Structural Elements     Drawing APEX Building Area by Year Exemptions Multimedia

Inventory ☐ S ☐ BSE Templates Selection

BSE Templates BSE003

OK Cancel

IET

N/A

Mobile

N/A

Security

N/A

Scenario