



United States Army Corps of Engineers- ERDC/CERL

BUILDER Custom Reports- Specific to US Air Force

For: AFCEC (Air Force Civil Engineering Center)

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BUILDER Custom Reports for the U.S. Air Force

The BUILDER Standard Reports are built into the code for the BUILDER SMS Application. The Standard reports provide users with some of the most basic and frequently requested outputs. These reports comprise a report suite common to all BUILDER instances and clients across the board. These reports are extremely difficult to modify.

In contrast, the **BUILDER Custom Reports** are developed OUTSIDE of the code for the BUILDER SMS Application. They are deployed from a Report Server outside of BUILDER. These reports are easier to modify and designed to expand the reporting capability beyond what is provided in the Standard Reports.

There is a **core set** of Custom Reports that were designed and developed by the BUILDER design team. These reports are named “Final”, “QC” and “QA”. These reports are intended to help the user during their data quality assurance phase a means to review the data at the various levels of the BUILDER hierarchy. This **core set** of reports is generally deployed to all BUILDER instances.

In addition to this core set of Custom Reports are many **customer-requested** reports. These reports may possibly have a global usefulness to other users, but were originally drafted to fill a specific need for a specific customer. These reports are probably deployed to USAF only and will generally not be found in other client instances of BUILDER. These are the “custom” reports in the truest sense of the word.

The set of Custom Reports is dynamic and constantly changing. Therefore, **this document** will captures a moment in time (4/6/2016 10:50 AM) and may become outdated rather quickly. But hopefully, it will serve as a starting point.

The Custom Reports (see Figure 1) menus will differ depending upon what hierarchy level in BUILDER a report is launched. Reports can be launched in BUILDER from the ORGANIZATION (🏢), SITE (📍), COMPLEX (🏠), and FACILITY (🏢) levels. That is, if a user has selected a SITE within the BUILDER Inventory hierarchy tree and then chooses the Custom Reports menu, the drop-down menu (see Figure 2) will display a list of SITE-LEVEL reports. This drop-down menu may offer considerably different choices if a user has selected an object at the ORGANIZATION, COMPLEX or FACILITY level.

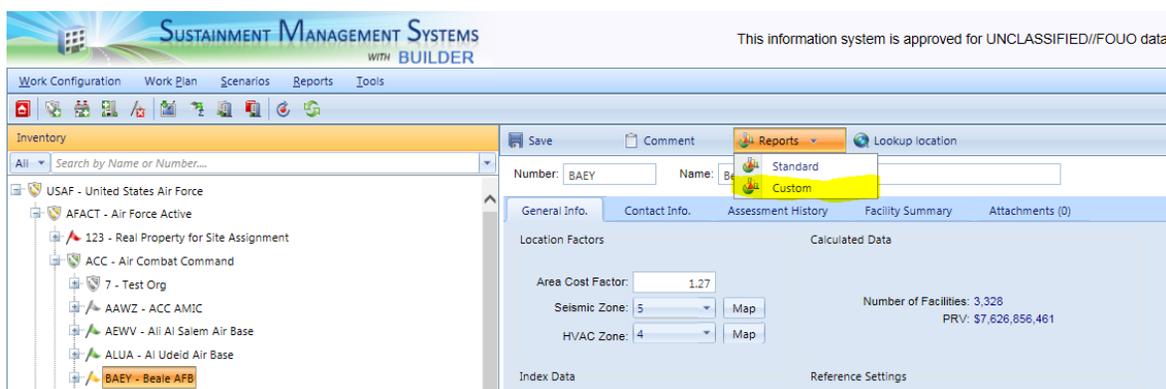


Figure 1: Location of Custom Reports in BUILDER 3.3.1. (This example shows the Site level being selected; thus only Custom Site level reports will render.

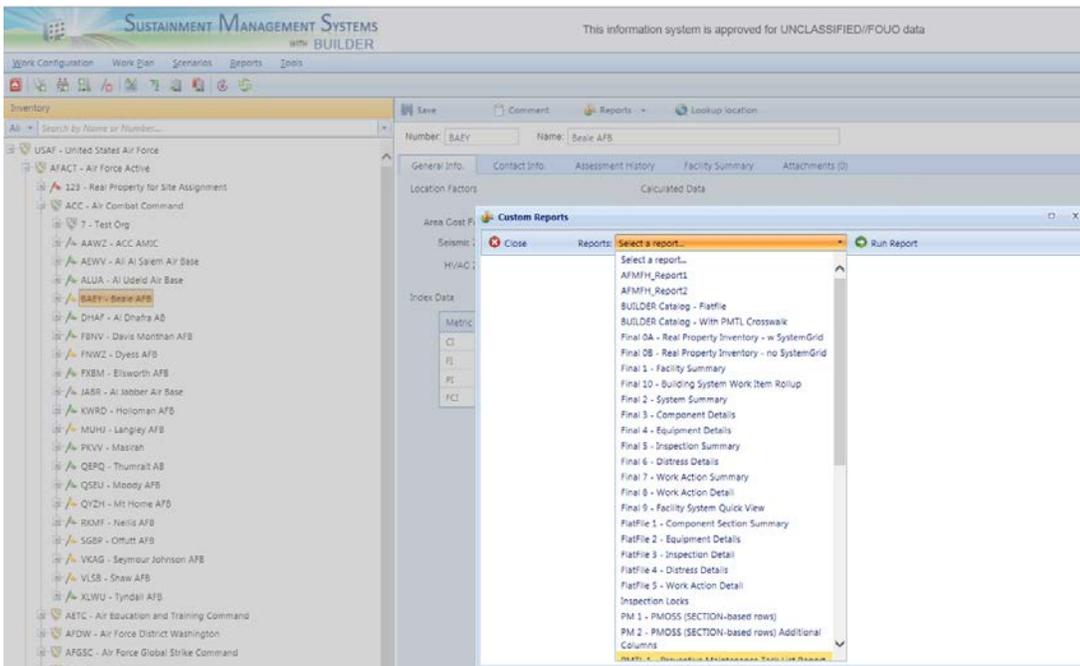


Figure 2: List of Custom Reports (Example showing Custom Reports available at the Site level.)

When a custom report is launched from the drop-down menu, BUILDER will send a “key” to the report at run-time and the report will be filtered using that “key”. For example, when a SITE-LEVEL report is chosen, then BUILDER will send the SITE-KEY to the report and the report will be filtered to deliver results for that Site only. The same goes for reports at the ORGANIZATION, COMPLEX and FACILITIES level. A key will be passed to the report to act as a filter and the report will deliver results for that single ORGANIZATION, single COMPLEX or single FACILITY that was chosen at run-time.

There may be other filters inherent in the report. Unless otherwise noted in the description of the Custom Reports found on the Pages 10 through 65, the output will not be filtered other than using the run-time filter of ORGANIZATION, SITE, COMPLEX or FACILITY discussed in the previous paragraph. See the table on Pages 10 through 65 to see which report have filters and how a report is filtered. If the list indicates NO FILTER, then only the run-time parameter filter will apply.

There may be a few reports that will run (unfiltered) against the full USAF data-set, but due to the enormous number of records in the USAF BUILDER database, these reports will be few and not generally recommended and will quite often time out if an especially huge data-set is getting retrieved.

Some reports are designed to be printable and **exportable to PDF** for printing or distributing. Other reports are tabular in nature and are designed to be **exportable to EXCEL**. See the table on Pages 7 and 9 to see for which type of output the report is designed.

LIST of BUILDER CUSTOM REPORTS – Core-Set of Reports

Report Name	BUILDER-LEVEL				Formatted for export to:	See Page for Details.
	ORG	SITE	CPLX	BLDG		
Final 0A - Real Property Inventory - w SystemGrid	X	X			EXCEL	Page 10
Final 0B - Real Property Inventory - no SystemGrid	X	X			EXCEL	Page 11
Final 1 - Facility Summary	X	X	X	X	EXCEL	Page 12
Final 2 - System Summary	X	X	X	X	EXCEL	Page 13
Final 3 - Component Details	X	X	X	X	EXCEL	Page 14
Final 4 - Equipment Details	X	X	X	X	EXCEL	Page 15
Final 4B - Boiler Details	X	X	X	X	EXCEL	Page 16
Final 5 - Inspection Summary	X	X	X	X	EXCEL	Page 17
Final 6 - Distress Details	X	X	X	X	EXCEL	Page 18
Final 7 - Work Action Summary	X	X	X	X	EXCEL	Page 19
Final 8 - Work Action Detail	X	X	X	X	EXCEL	Page 20
Final 9 - Facility System Quick View	X	X	X	X	EXCEL	Page 21
FlatFile 1 - Component Section Summary		X	X		EXCEL	Page 22
FlatFile 2 - Equipment Details		X	X		EXCEL	Page 23
FlatFile 3 - Inspection Detail		X	X		EXCEL	Page 24
FlatFile 4 - Distress Details		X	X		EXCEL	Page 25
FlatFile 5 - Work Action Detail		X	X		EXCEL	Page 26
Inspection Locks		X	X		EXCEL	Page 27
QA 01 - Missing or Low Inventory		X	X		EXCEL	Page 28
QA 02 - Missing Comments		X	X		EXCEL	Page 29
QA 03 - Naming Discrepancies		X	X		EXCEL	Page 30
QA 04 - Suspect Section Inventory		X	X		EXCEL	Page 31
QA 05 - Missing Section Details		X	X		EXCEL	Page 32
QA 06 - Missing Section Detail Images		X	X		EXCEL	Page 33
QA 07 - Sections Without Inspections		X	X		EXCEL	Page 34
QA 08 - Section Details Without Inspections		X	X		EXCEL	Page 35
QA 09 - Section Detail Discrepancies		X	X		EXCEL	Page 36
QA 10 - Missing Inspection Comments		X	X		EXCEL	Page 37
QA 11 - Section Condition Analysis Exception		X	X		EXCEL	Page 38
QA 12A - InspectorMatrix - ByInstSysInspector		X	X		PDF	Page 39
QA 12B - InspectorMatrix - ByInstSys		X	X		PDF	Page 40
QA 12C - InspectorMatrix - ByInstInspectorSys		X	X		PDF	Page 41
QA 12D - InspectorMatrix - ByInspector		X	X		PDF	Page 42
QA 12E - InspectorMatrix - GRAPH - ByInstSys		X	X		PDF	Page 43

Report Name	BUILDER-LEVEL				Formatted for export to:	SITE
	ORG	SITE	CPLX	BLDG		
QC 1 - Facility Report		X	X	X	EXCEL	Page 44
QC 2 - System Report		X	X	X	EXCEL	Page 45
QC 3 - Component Report		X	X	X	EXCEL	Page 46
QC 4 - Component-Section		X	X	X	EXCEL	Page 47
QC 5 - Section Details		X	X	X	EXCEL	Page 48
QC 6 - Inspection Report		X	X	X	EXCEL	Page 49

LIST of BUILDER CUSTOM REPORTS – Customer-Requested Reports

Report Name	BUILDER-LEVEL				Formatted for export to:	See Page for Details.
	ORG	SITE	CPLX	BLDG		
AFMFH Catalog - Flatfile	X				EXCEL	Page 50
AFMFH_Report1		X			EXCEL	Page 51
AFMFH_Report2		X			EXCEL	Page 52
BUILDER Catalog	X				PDF	Page 53
BUILDER Catalog - Flatfile	X	X			EXCEL	Page 54
BUILDER Catalog - With PMTL Crosswalk	X	X			EXCEL	Page 55
Facility Image Hierarchy With Counts				X	PDF	Page 56
Facility Thumbnail Images				X	PDF	Page 57
Final 10 – Building System Work Item Rollup	X	X			EXCEL	Page 58
Inspection Report With Images				X	PDF	Page 59
PM 1 - PMOSS (SECTION-based rows)	X	X			EXCEL	Page 60
PM 2 - PMOSS (SECTION-based rows) Additional Columns		X			EXCEL	Page 61
PMTL 1 - Preventive Maintenance Task List Report	X	X			EXCEL	Page 62
QA 13 - Assessment Progress Report		X	X		PDF or EXCEL	Page 63
rptDD1391				X	PDF	Page 64
Section Report With Images				X	PDF	Page 65

Basic Description:

A list of all FACILITIES entered into BUILDER whether any other inventory has been entered into BUILDER or not. Includes some basic facility-level data columns.

If this report is tabular, then what are the rows?

Each row is a unique FACILITY.

Is this report filtered? If so, how?

No, shows all FACILITIES

Additional Information:

Also includes a System crosstab grid displaying the 22 possible systems and a System CI where one exists.

Report Columns:

ORDER	COLUMN NAME
1	Service
2	Major Command
3	Command
4	Division
5	Installation Code
6	Installation Name
7	Sub-Installation
8	Special Area
9	RPUID
10	Bldg Num
11	Bldg Name
12	MDI
13	Facility Use Code
14	Building Status Description
15	Category Code
16	Facility Qty (ENG)
17	English UoM

Report Columns, continued:

ORDER	COLUMN NAME
18	PRV
19	Floors
20	Const Year
21	Count of Systems in BUILDER
22	Count of Components in
23	BCI
24	A10
25	A20
26	B10
27	B20
28	B30
29	C10
30	C20
31	C30
32	D10
33	D20
34	D30
35	D40
36	D50
37	E10
38	E20
39	F10
40	F20
41	G10
42	G20
43	G30
44	G40
45	G90

Basic Description:

A list of all FACILITIES entered into BUILDER whether any other inventory has been entered into BUILDER or not. Includes some basic facility-level data columns.

If this report is tabular, then what are the rows?

Each row is a unique FACILITY.

Is this report filtered? If so, how?

No, shows all FACILITIES.

Additional Notes:

Report Columns:

ORDER	COLUMN NAME
1	Service
2	Major Command
3	Command
4	Division
5	Installation Code
6	Installation Name
7	Sub-Installation
8	Special Area
9	RPUID
10	Bldg Num
11	Bldg Name
12	MDI
13	Facility Use Code
14	Building Status Description
15	Category Code
16	Facility Qty (ENG)
17	English UoM
18	PRV
19	Floors
20	Const Year
21	Count of Systems in BUILDER
22	Count of Components in
23	BCI

Basic Description:

A list of FACILITIES entered into BUILDER where at least one COMPONENT has been entered. Includes some basic facility-level data columns.

If this report is tabular, then what are the rows?

Each row is a unique FACILITY.

Is this report filtered? If so, how?

Yes, this report only shows Facilities where at least one component has been entered into BUILDER.

Additional Notes:

Report Columns:

ORDER	COLUMN NAME
1	Site No
2	Site Name
3	Complex No
4	Complex Name
5	RPUID
6	Facility No
7	Facility Name
8	Category Code
9	Facility Qty (ENG)
10	Facility UoM (ENG)
11	Floors
12	Facility Year
13	PRV
14	MDI
15	BCI
16	Sum of Work Items
17	CRV
18	Count of Components

Basic Description:

A list of SYSTEMS and their condition ratings sorted by FACILITY.

If this report is tabular, then what are the rows?

Each row is a unique SYSTEM broken out by FACILITY.

Is this report filtered? If so, how?

No, all SYSTEMS are displayed. (However, a FACILITY may not appear if it doesn't contain a SYSTEM.)

Additional Notes:

Report Columns:

ORDER	COLUMN NAME
1	Site No
2	Site Name
3	Complex No
4	Complex Name
5	RPUID
6	Facility No
7	Facility Name
8	Category Code
9	Facility Qty (ENG)
10	Facility UoM (ENG)
11	Floors
12	Facility Year
13	BCI
14	System
15	SCI
16	System CRV
17	FACILITY_ID
18	BLDG_SYS_ID

Basic Description:

A list of COMPONENT-SECTIONS and their ratings sorted by FACILITY, SYSTEM, COMPONENT, SUB-COMPONENT.

If this report is tabular, then what are the rows?

Each row is a unique COMPONENT-SECTION broken out by Facility.

Is this report filtered? If so, how?

No, all COMPONENT-SECTIONS are displayed. (However, a FACILITY may not appear if it doesn't contain a COMPONENT-SECTION.)

Additional Notes:

Report Columns:

ORDER	COLUMN NAME
1	Site No
2	Site Name
3	Complex No
4	Complex Name
5	RPUID
6	Facility No
7	Facility Name
8	Facility Qty (ENG)
9	Facility UoM (ENG)
10	MDI
11	System
12	Component
13	Mat / Equip Type
14	Section Sub-type
15	Section Name
16	Section Year
17	Section Year Source
18	Section Qty (ENG)
19	Section UoM (ENG)
20	CRV
21	CSCI
22	Section RSL
23	Section Comments
24	COMP_SEC_ID

Basic Description:

A list of SECTION DETAILS (i.e., pieces of EQUIPMENT) sorted by FACILITY, SYSTEM, COMPONENT, SUB-COMPONENT, SECTION.

If this report is tabular, then what are the rows?

Each row is a unique SECTION DETAIL (i.e., piece of equipment)

Is this report filtered? If so, how?

No, all SECTION DETAILS are displayed. (However, a FACILITY may not appear if it doesn't contain a SECTION DETAIL.)

Additional Notes:

Report Columns:

ORDER	COLUMN NAME
1	Site No
2	Site Name
3	Complex No
4	Complex Name
5	RPUID
6	Facility No
7	Facility Name
8	System
9	Component
10	Mat / Equip Type
11	Section Sub-Type
12	Section Name
13	Section Year
14	Section Year Source
15	Section Qty (ENG)
16	Section UoM (ENG)
17	CRV
18	CSCI
19	Section RSL
20	COMP_SEC_ID
21	SecDetail ID Number
22	Equipment Type
23	Equipment Make
24	Equipment Model
25	Serial Number
26	Capacity
27	Manufacturer
28	Date Manufactured
29	Date Installed
30	Control Type Make
31	Warranty Date #1
32	Warranty Company #1
33	SecDetail Location
34	SecDetail Comment
35	Warranty Date #2
36	Warranty Company #2

Basic Description:

A list of BOILERS sorted by SITE, COMPLEX, FACILITY, SYSTEM, COMPONENT, SUB-COMPONENT, and SECTION.

If this report is tabular, then what are the rows?

Each row is a unique SECTION DETAIL (specifically of the type, Boilers)

Is this report filtered? If so, how?

Yes, only SECTION DETAIL records where the Material Equipment Type is equal to 'D302001 BOILERS'.

Additional Notes:

Report Columns:

ORDER	COLUMN NAME
1	Site No
2	Site Name
3	Complex No
4	Complex Name
5	RPUID
6	Facility No
7	Facility Name
8	System
9	Component
10	Mat / Equip Type
11	Section Sub-Type
12	Section Name
13	Section Year
14	Section Year Source
15	Section Qty (ENG)
16	Section UoM (ENG)
17	CRV
18	CSCI
19	Section RSL
20	COMP_SEC_ID
21	SecDetail ID Number
22	Equipment Type
23	Equipment Make
24	Equipment Model
25	Serial Number
26	Capacity
27	Manufacturer
28	Date Manufactured
29	Date Installed
30	Control Type Make
31	Warranty Date #1
32	Warranty Company #1
33	SecDetail Location
34	SecDetail Comment
35	Warranty Date #2
36	Warranty Company #2

Basic Description:

A list of inspected SECTIONS sorted by SITE, COMPLEX, FACILITY, SYSTEM, COMPONENT, SUB-COMPONENT. Information is included about the LATEST INSPECTION on that SECTION.

If this report is tabular, then what are the rows?

Each row is a unique SECTION matched to its LATEST INSPECTION record.

Is this report filtered? If so, how?

Yes, this report only shows the LATEST (MOST RECENT) INSPECTION against the listed SECTION.

Additional Notes:

Report Columns:

ORDER	COLUMN NAME
1	Site No
2	Site Name
3	Complex No
4	Complex Name
5	RPUID
6	Facility No
7	Facility Name
8	System
9	Component
10	Mat / Equip Type
11	Section Sub-Type
12	Section Name
13	Section Qty (ENG)
14	Section UoM (ENG)
15	Section Year
16	Section Year Source
17	Inspection Date
18	Inspection Type
19	Inspection Rating
20	Inspector
21	Insp Comments

Basic Description:

A list of SECTIONS that were inspected using a DISTRESS SURVEY INSPECTION sorted by SITE, COMPLEX, FACILITY, SYSTEM, COMPONENT, SUB-COMPONENT.

If this report is tabular, then what are the rows?

Each row is a unique DISTRESS SURVEY INSPECTION record.

Is this report filtered? If so, how?

Yes, this report only shows INSPECTION records for which a DISTRESS SURVEY INSPECTION was performed. Only shows FACILITIES for which a DISTRESS SURVEY INSPECTION was performed.

Additional Notes:

Report Columns:

ORDER	COLUMN NAME
1	Site No
2	Site Name
3	Complex No
4	Complex Name
5	RPUID
6	Facility No
7	Facility Name
8	System
9	Component
10	Mat / Equip Type
11	Section Sub-Type
12	Section Name
13	Section Qty (ENG)
14	Section UoM (ENG)
15	Inspection Date
16	Insp CI
17	Inspector
18	Insp Comments
19	Sub-Component
20	Sub-Component Qty (ENG)
21	Sub-Component UoM (ENG)
22	Critical?
23	ESC?
24	Distress
25	Severity
26	Distress Qty (ENG)
27	Distress Qty (ENG)
28	Density

Basic Description:

A list of FACILITIES, broken out by SYSTEM, and a sum of all work items generated against that SYSTEM.

If this report is tabular, then what are the rows?

Each row is a unique SYSTEM (broken out by FACILITY) with a rollup cost of all of the work items against that system.

Is this report filtered? If so, how?

No, this report shows all systems with work items. (But a Facility may not appear when it has no System where at least one work item has been generated against it.)

Additional Notes:

Report Columns:

ORDER	COLUMN NAME
1	Site No
2	Site Name
3	Complex No
4	Complex Name
5	RPUID
6	Facility No
7	Facility Name
8	Category Code
9	System
10	Number of Tasks
11	Estimated Cost (Sum of Work Items)
12	CRV
13	SCI
14	BLDG_SYS_ID

Basic Description:

A detail listing of all work items generated against this FACILITY.

If this report is tabular, then what are the rows?

Each row is a unique WORK ITEM.

Is this report filtered? If so, how?

No, this report shows all work items. (However, a FACILITY may not appear if it doesn't have a work item generated against it.)

Additional Notes:

Report Columns:

ORDER	COLUMN NAME
1	Site No
2	Site Name
3	Complex No
4	Complex Name
5	RPUID
6	Facility No
7	Facility Name
8	Category Code
9	System
10	Component
11	Mat / Equip Type
12	Section Sub-Type
13	Section Name
14	Section Comments
15	Section Qty (ENG)
16	Section UoM (ENG)
17	Work Item Description
18	Estimated Cost
19	Fiscal Year
20	Completion Date
21	Actual Cost
22	Work Request Number
23	FACILITY_ID
24	BLDG_SYS_ID
25	SYS_COMP_ID
26	COMP_SEC_ID
27	WORK_ITEM_ID

Basic Description:

A cross-tab report (pivot table); for each Facility this report displays the System CI for each of the 22 Systems.

If this report is tabular, then what are the rows?

Each row is a unique FACILITY.

Is this report filtered? If so, how?

Yes, this report only shows Facilities where at least one system has been entered into BUILDER.

Additional Notes:

Report Columns:

ORDER	COLUMN NAME
1	Site No
2	Site Name
3	Sub-Installation
4	Complex No
5	Complex Name
6	RPUID
7	Facility No
8	Facility Name
9	Facility Use Code
10	Category Code
11	Facility Qty (ENG)
12	Facility UoM (ENG)
13	Floors
14	Facility Year
15	MDI
16	BCI
17	A10
18	A20
19	B10
20	B20
21	B30
22	C10
23	C20
24	C30
25	D10
26	D20
27	D30
28	D40
29	D50
30	E10
31	E20
32	F10
33	F20
34	G10
35	G20
36	G30
37	G40
38	G90

Basic Description:

A "Data Dump" report showing all SECTIONS and pertinent values.

If this report is tabular, then what are the rows?

Each row is a unique SECTION.

Is this report filtered? If so, how?

No, this report shows all SECTIONS.

Additional Notes:

Report Columns:

ORDER	COLUMN NAME
1	Bldg Num
2	Inst Name
3	Special Area
4	RPUID
5	Bldg Name
6	Const Type
7	Category Code
8	Floors
9	Area (SF)
10	Const Year
11	PRV
12	MDI
13	BCI
14	Building Comments
15	System Name
16	SCI
17	System CRV
18	Component Name
19	Mat / Equip Type
20	Component Type
21	Section Name
22	CS Install Date
23	CS Install Date Source
24	CS Quantity
25	CS UM
26	CS CRV
27	CSCI
28	RSL
29	CS Comments
30	Facility ID
31	BLDG SYS ID
32	SEC ID
33	Inst Code

Basic Description:

A "Data Dump" report showing all SECTION DETAILS and pertinent values.

If this report is tabular, then what are the rows?

Each row is a unique SECTION DETAIL (i.e. piece of equipment).

Is this report filtered? If so, how?

No, this report shows all SECTION DETAILS.

Additional Notes:

Report Columns:

ORDER	COLUMN NAME
1	Equip ID
2	ID Number
3	Equipment Type
4	Equipment Make
5	Model
6	Serial Number
7	Capacity
8	Manufacturer
9	Date Manufactured
10	Date Installed
11	Control Type Make
12	Warranty Date
13	Warranty Company
14	Location
15	Warranty Date2
16	Warranty Company2
17	Comment
18	Facility ID
19	BLDG SYS ID
20	SEC ID
21	Inst Name
22	Special Area

Basic Description:

A "Data Dump" report showing all INSPECTIONS and pertinent values.

If this report is tabular, then what are the rows?

Each row is a unique INSPECTION record.

Is this report filtered? If so, how?

No, this report shows all INSPECTIONS.

Report Columns:

ORDER	COLUMN NAME
1	Insp ID
2	Insp Date
3	Insp Type
4	Insp Rating
5	Inspector
6	Insp Comments
7	Facility ID
8	SEC ID
9	Inst Name
10	Special Area

Basic Description:

A "Data Dump" report showing all DISTRESS SURVEY INSPECTIONS and pertinent values.

If this report is tabular, then what are the rows?

Each row is a unique DISTRESS SURVEY INSPECTION record.

Is this report filtered? If so, how?

No, this report shows all DISTRESS SURVEY INSPECTIONS.

Report Columns:

ORDER	COLUMN NAME
1	Distress ID
2	Sub Comp
3	Critical?
4	ESC?
5	Distress
6	Severity
7	Dist Qty
8	Sub Comp Qty
9	Density
10	SEC ID
11	INSP DATA ID
12	Facility ID
13	Inst Name
14	Special Area

Basic Description:

A "Data Dump" report showing all WORK ITEMS and pertinent values.

If this report is tabular, then what are the rows?

Each row is a unique WORK ITEM record.

Is this report filtered? If so, how?

No, this report shows all WORK ITEMS.

Report Columns:

ORDER	COLUMN NAME
1	Work Item ID
2	Work Item Desc
3	Estimated Cost
4	Fiscal Year
5	Comp Date
6	Actual Cost
7	Work Request Number
8	Facility ID
9	System ID
10	Comp ID
11	SEC ID
12	Inst Name
13	Special Area

Basic Description:

A list of SYSTEMS and the individual users who have RECORD-LOCKS in effect on that system.

If this report is tabular, then what are the rows?

Each row is a unique SYSTEM broken out by FACILITY.

Is this report filtered? If so, how?

Yes, this report only shows systems for which a user has checked out the system and an inspection Record-Lock is in place for that system.

Additional Notes:

Report Columns:

ORDER	COLUMN NAME
1	Site No
2	Site Name
3	Complex Name
4	RPUID
5	Facility No
6	Facility Name
7	Category Code
8	Facility Qty (ENG)
9	Facility UoM (ENG)
10	Facility Qty (MET)
11	Facility UoM (MET)
12	Floors
13	Facility Year
14	System
15	Checked Out By
16	FACILITY_ID
17	BLDG_SYS_ID

Basic Description:

A listing of facilities for which there are fewer than 10 sections. (Low section count).

If this report is tabular, then what are the rows?

Each row is a unique FACILITY.

Is this report filtered? If so, how?

Yes, this report only shows Facilities for which the count of sections for this Facility < 10.

Additional Notes:

This report as well as the other QA reports is used to identify “flags”. These could be false “positives”, but worth looking into to verify information is correct.

Report Columns:

ORDER	COLUMN NAME
1	Complex Name
2	Fac Num
3	Fac Name
4	Fac Qty
5	Fac UoM
6	System
7	Component
8	Section Name
9	Mat/Equip Type
10	Section Sub-Type
11	Install Date
12	Section Qty (ENG)
13	Section UoM (ENG)
14	Section Qty (MET)
15	Section UoM (MET)
16	Building Section Count
17	SQ Feet Per Section
18	Section Comments

Basic Description:

A listing of sections for which there is missing or insufficient comments to fully describe the section type.

If this report is tabular, then what are the rows?

Each row is a unique SECTION.

Is this report filtered? If so, how?

Yes, this report shows sections where any of these cases is true and the Mat_Cat description contains "90" and Comments are missing:

- (1) Section Comments is NULL and Section Comp_Type is "Other"
- (2) Section Comments is Null and Section Comp_Type is "Unknown"
- (3) Section Comments is NULL and Section Comp-Type is "General"

Additional Notes:

Report Columns:

ORDER	COLUMN NAME
1	Complex Name
2	Fac Num
3	Fac Name
4	System
5	Component
6	Section Name
7	Mat/Equip Type
8	Section Sub- Type
9	Install Date
10	Section Qty (ENG)
11	Section UoM (ENG)
12	Section Qty (MET)
13	SectionUoM (MET)
14	Section Comments

Basic Description:

A list of section names that are used infrequently (fewer than 5 times) in the database.

If this report is tabular, then what are the rows?

Each row is a unique SECTION NAME.

Is this report filtered? If so, how?

Yes, this report shows SECTION NAMES where the Instance Count of the Section Name is less than 5.

Additional Notes:

Report Columns:

ORDER	COLUMN NAME
1	Section Name
2	Instance Count
3	Fac Num
4	Fac Name
5	System
6	Component
7	Mat / Equip Type
8	Section Sub-Type
9	Section Qty (ENG)
10	Section UoM (ENG)
11	Section Qty (MET)
12	Section UoM (MET)
13	Section Comments

Basic Description:

A list of sections for which the section quantity or age is suspect or inconsistent with building quantities.

If this report is tabular, then what are the rows?

Each row is a unique SECTION.

Is this report filtered? If so, how?

Yes, this report shows sections where any of these cases is true:

- (1) Section Quantity > 200 EACH
- (2) Section Quantity is greater than Building Quantity
- (3) Section Age is greater than Building Age.

Additional Notes:

Potentially exposes transcription errors, when assessor puts the year installed in the quantity field.

Report Columns:

ORDER	COLUMN NAME
1	Complex Name
2	Fac Num
3	Fac Name
4	Facility Year
5	System
6	Component
7	Section Name
8	Mat/Equip Type
9	Section Sub-Type
10	Install Date
11	Section Qty (ENG)
12	Section UoM (ENG)
13	Section Qty (MET)
14	Section UoM (MET)
15	Section Comments

Basic Description:

A list of sections for which there are no Section Details (i.e. equipment) entered into BUILDER.

If this report is tabular, then what are the rows?

Each row is a unique SECTION.

Is this report filtered? If so, how?

Yes, this report shows sections where these are both true:

- (1) Section UoM is "EA"
- (2) Count of Section Details is less than the Section Quantity.

Additional Notes:

Report Columns:

ORDER	COLUMN NAME
1	Complex Name
2	Fac Num
3	Fac Name
4	System
5	Component
6	Section Name
7	Mat/Equip Type
8	Section Sub-Type
9	Install Date
10	Section Qty (ENG)
11	SectionUoM (ENG)
12	Section Qty (MET)
13	SectionUoM (MET)
14	Count of Section Details
15	Count of Missing Section Details
16	Section Comments

Basic Description:

A list of sections for which there are no Section Detail images entered into BUILDER.

If this report is tabular, then what are the rows?

Each row is a unique SECTION.

Is this report filtered? If so, how?

Yes, this report shows sections where there is no IMAGE loaded at the SECTION DETAIL level.

Additional Notes:

Report Columns:

ORDER	COLUMN NAME
1	Complex Name
2	Fac Num
3	Fac Name
4	System
5	Component
6	Section Name
7	Mat/Equip Type
8	Section Sub-Type
9	Install Date
10	Section Qty (ENG)
11	Section UoM (ENG)
12	Section Qty (MET)
13	Section UoM (MET)
14	Count of Section Images
15	Count of Section Detail Images
16	Section Comments

Basic Description:

A list of sections for which there are no Inspections entered into BUILDER (at the component-section level).

If this report is tabular, then what are the rows?

Each row is a unique SECTION.

Is this report filtered? If so, how?

Yes, this report shows sections where there is no INSPECTION entry.

Additional Notes:

Report Columns:

ORDER	COLUMN NAME
1	Complex Name
2	Fac Num
3	Fac Name
4	System
5	Component
6	Section Name
7	Mat/Equip Type
8	Section Sub-Type
9	Install Date
10	Section Qty (ENG)
11	Section UoM (ENG)
12	Section Qty (MET)
13	Section UoM (MET)
14	Section Comments

Basic Description:

A list of section details that were inventoried for which do not have inspections entered into BUILDER.

If this report is tabular, then what are the rows?

Each row is a unique SECTION DETAIL.

Is this report filtered? If so, how?

Yes, this report shows section details where there is no INSPECTION entry.

Additional Notes:

This report focuses specifically on situation where RPIE (real property installed equipment) inventory was collected, but there are no inspections performed.

Report Columns:

ORDER	COLUMN NAME
1	Complex Name
2	Fac Num
3	Fac Name
4	System
5	Component
6	Section Name
7	Mat/Equip Type
8	Section Sub-Type
9	Install Date
10	Section Qty (ENG)
11	Section UoM (ENG)
12	Section Qty (MET)
13	Section UoM (MET)
14	Section Comments

Basic Description:

A list of section details for which the Detail Install Date is suspect or missing.

If this report is tabular, then what are the rows?

Each row is a unique SECTION DETAIL.

Is this report filtered? If so, how?

Yes, this report shows sections where any of these cases is true:

- (1) Detail Install Date < Section Install Date
- (2) Detail Install Date > (Section Install Date + 2 years)
- (3) Detail Install Date is missing.

Additional Notes:

Report Columns:

ORDER	COLUMN NAME
1	Complex Name
2	Fac Num
3	Fac Name
4	System
5	Component
6	Section Name
7	Mat/Equip Type
8	Section Sub-Type
9	Section Install Date
10	Section Qty (ENG)
11	Section UoM (ENG)
12	Section Qty (MET)
13	Section UoM (MET)
14	COMP_SEC_ID
15	Section Detail Install Date
16	Section Comments

Basic Description:

A list of inspections where a poor rating of Amber or Red was given, but no comment or reason was provided for the poor rating.

If this report is tabular, then what are the rows?

Each row is a unique INSPECTION.

Is this report filtered? If so, how?

Yes, this report shows inspections where the rating was either Amber or RED and there are no comments providing a reason for the low rating.

Additional Notes:

Report Columns:

ORDER	COLUMN NAME
1	Inspector
2	Complex Name
3	Fac Num
4	Fac Name
5	System
6	Component
7	Section Name
8	Mat/Equip Type
9	Section Sub-Type
10	Install Date
11	Section Qty (ENG)
12	Section UoM (ENG)
13	Section Qty (MET)
14	Section UoM (MET)
15	Inspection Rating
16	Inspection Date
17	Section Comments

Basic Description:

A list of sections for which the variance between Age and Design Life exceeds certain constraints (plus or minus 20%).

If this report is tabular, then what are the rows?

Each row is a unique SECTION.

Is this report filtered? If so, how?

Yes, this report shows sections where at least one of these cases is true:

- (1) The Variance $((RSL + Age)/Design\ Life) < 0.8$
- (2) The Variance $((RSL + Age)/Design\ Life) > 1.4$.

Additional Notes:

Report Columns:

ORDER	COLUMN NAME
1	Complex Name
2	Fac Num
3	Fac Name
4	System
5	Component
6	Section Name
7	Mat/Equip Type
8	Section Sub-Type
9	Section Install Date
10	Initial Condition
11	Age
12	Design Life (DL)
13	Actual Service Life (ASL)
14	Variance (ASL / DL)
15	Section Comments

Basic Description:

A cross-tab report (pivot table); for each System a count of Green, Amber, Red scores by Inspector.

If this report is tabular, then what are the rows?

Each row is a unique SYSTEM broken down by INSPECTOR.

Is this report filtered? If so, how?

No.

Additional Notes:

Analysis of Inspector scores can reveal any inspector biases or inconsistencies.

Report Columns:

ORDER	COLUMN NAME
1	Cmplx No
2	Cmplx Name
3	Inspector
4	Total # of Inspections
5	# of Green Scores
6	# of Amber Scores
7	# of Red Scores
8	% of Green Scores
9	% of Amber Scores
10	% of Red Scores

Basic Description:

A cross-tab report (pivot table); for each System a count of Green, Amber, or Red scores.

If this report is tabular, then what are the rows?

Each row is a unique SYSTEM.

Is this report filtered? If so, how?

No.

Additional Notes:

Analysis of Inspector scores can reveal any inspector biases or inconsistencies.

Report Columns:

ORDER	COLUMN NAME
1	Site
2	System
3	Total # of Inspections
4	# of Green Scores
5	# of Amber Scores
6	# of Red Scores
7	% of Green Scores
8	% of Amber Scores
9	% of Red Scores

Basic Description:

A cross-tab report (pivot table); for each Inspector a count of Green, Amber, Red scores by system.

If this report is tabular, then what are the rows?

Each row is a unique INSPECTOR broken down by SYSTEM.

Is this report filtered? If so, how?

No.

Additional Notes:

Analysis of Inspector scores can reveal any inspector biases or inconsistencies.

Report Columns:

ORDER	COLUMN NAME
1	Site No
2	Inspector
3	Site Name
4	System
5	Total # of Inspections
6	# of Green Scores
7	# of Amber Scores
8	# of Red Scores
9	% of Green Scores
10	% of Amber Scores
11	% of Red Scores

Basic Description:

A cross-tab report (pivot table); for each Inspector a count of Green, Amber, Red scores.

If this report is tabular, then what are the rows?

Each row is a unique INSPECTOR.

Is this report filtered? If so, how?

No.

Additional Notes:

Analysis of Inspector scores can reveal any inspector biases or inconsistencies.

Report Columns:

ORDER	COLUMN NAME
1	Site No
2	Site Name
3	Avg Score
4	Total # of Inspections
5	# of Green Scores
6	# of Amber Scores
7	# of Red Scores
8	% of Green Scores
9	% of Amber Scores
10	% of Red Scores

Basic Description:

A cross-tab report (pivot table); for each Inspector a count of Green, Amber, Red scores by system. Bar Graph shows breakdown of Scores for each system.

If this report is tabular, then what are the rows?

Each row is a unique SYSTEM.

Is this report filtered? If so, how?

No.

Additional Notes:

Analysis of Inspector scores can reveal any inspector biases or inconsistencies.

Report Columns:

ORDER	COLUMN NAME
1	Site
2	Total # of Inspections
3	# of Green Scores
4	# of Amber Scores
5	# of Red Scores

Basic Description:

A list of facilities entered into BUILDER where the BCI is not null.

If this report is tabular, then what are the rows?

Each row is a unique FACILITY.

Is this report filtered? If so, how?

Yes, this report shows only facilities for which the BCI is not null.

Additional Notes:

Key columns are provided to aid the user in the Quality Control phase of data entry.

Report Columns:

ORDER	COLUMN NAME
1	Site No
2	Site Name
3	Complex No
4	Complex Name
5	Facility No
6	Facility Name
7	Category Code
8	Facility Year
9	Facility Qty (ENG)
10	Facility UoM (ENG)
11	Floors
12	BCI
13	PRV
14	Count of Sections
15	SITE_ID
16	COMPLEX_ID
17	FACILITY_ID

Basic Description:

A list of all SYSTEMS entered into BUILDER for Facilities where the BCI is not null.

If this report is tabular, then what are the rows?

Each row is a unique SYSTEM.

Is this report filtered? If so, how?

Yes, this report shows systems for facilities where the BCI is not null.

Additional Notes:

Key columns are provided to aid the user in the Quality Control phase of data entry.

Report Columns:

ORDER	COLUMN NAME
1	Site No
2	Site Name
3	Complex No
4	Complex Name
5	Facility No
6	Facility Name
7	Facility Year
8	Facility Qty (ENG)
9	Facility UoM (ENG)
10	Floors
11	BCI
12	System
13	SCI
14	Count of Sections
15	SITE_ID
16	COMPLEX_ID
17	FACILITY_ID
18	BLDG_SYS_ID

Basic Description:

A list of all COMPONENTS entered into BUILDER for Facilities where the BCI is not null.

If this report is tabular, then what are the rows?

Each row is a unique COMPONENT.

Is this report filtered? If so, how?

Yes, this report shows components for facilities where the BCI is not null.

Additional Notes:

Key columns are provided to aid the user in the Quality Control phase of data entry.

Report Columns:

ORDER	COLUMN NAME
1	Site No
2	Site Name
3	Complex No
4	Complex Name
5	Facility No
6	Facility Name
7	Facility Year
8	Facility Qty (ENG)
9	Facility UoM (ENG)
10	Floors
11	BCI
12	System
13	Component
14	BCCI
15	CRV
16	Count of Sections
17	SITE_ID
18	COMPLEX_ID
19	FACILITY_ID
20	BLDG_SYS_ID
21	SYS_COMP_ID

Basic Description:

A list of all SECTIONS entered into BUILDER for Facilities where the BCI is not null.

If this report is tabular, then what are the rows?

Each row is a unique SECTION.

Is this report filtered? If so, how?

No.

Additional Notes:

Key columns are provided to aid the user in the Quality Control phase of data entry.

Report Columns:

ORDER	COLUMN NAME
1	Site No
2	Site Name
3	Complex No
4	Complex Name
5	Facility No
6	Facility Name
7	Facility Year
8	Facility Qty (ENG)
9	Facility UoM (ENG)
10	Floors
11	System
12	Component
13	Mat/Equip Type
14	Section Sub-Type
15	Section Name
16	Section Qty (ENG)
17	Section UoM (ENG)
18	Section Year
19	Section Year Source
20	Section DL
21	Section Age
22	Section RDL
23	Section RSL
24	Painted?
25	Paint Year
26	CSCI
27	CSCCI
28	Section Comments
29	Count of Inspections
30	Count of Section Details
31	Count of Section Images
32	SITE_ID
33	COMPLEX_ID
34	FACILITY_ID
35	BLDG_SYS_ID
36	SYS_COMP_ID
37	COMP_SEC_ID

Basic Description:

A list of SECTION DETAILS entered into BUILDER.

If this report is tabular, then what are the rows?

Each row is a unique SECTION-DETAIL.

Is this report filtered? If so, how?

No.

Additional Notes:

Key columns are provided to aid the user in the Quality Control phase of data entry.

Report Columns:

ORDER	COLUMN NAME
1	Site No
2	Site Name
3	Complex No
4	Complex Name
5	Facility No
6	Facility Name
7	Facility Year
8	Facility Qty (ENG)
9	Facility UoM (ENG)
10	Floors
11	System
12	Component
13	Mat / Equip Type
14	Section Sub-Type
15	Section Name
16	Section Qty (ENG)
17	Section UoM (ENG)

Report Columns, continued:

ORDER	COLUMN NAME
18	Section Year
19	Section Year Source
20	Section DL
21	Section Age
22	Section RDL
23	Section RSL
24	Painted?
25	Paint Year
26	CSCI
27	CSCCI
28	Section Comments
29	SecDetail ID Number
30	Equipment Type
31	Equipment Make
32	Equipment Model
33	Serial Number
34	Capacity
35	Manufacturer
36	Date Manufactured
37	Date Installed
38	Control Type Make
39	Warranty Date 1
40	Warranty Company 1
41	SecDetail Location
42	SecDetail Comment
43	Warranty Date 2
44	Warranty Company 2
45	Count of Detail Images
46	SITE_ID
47	COMPLEX_ID
48	FACILITY_ID
49	BLDG_SYS_ID
50	SYS_COMP_ID
51	COMP_SEC_ID
52	SEC_DETAIL_ID

Basic Description:

A list of all INSPECTIONS entered into BUILDER.

If this report is tabular, then what are the rows?

Each row is a unique INSPECTION.

Is this report filtered? If so, how?

No, this report shows ALL inspections, not only the LATEST.

Report Columns:

ORDER	COLUMN NAME
1	Site No
2	Site Name
3	Complex No
4	Complex Name
5	Facility No
6	Facility Name
7	Facility Year
8	Facility Qty (ENG)
9	Facility UoM (ENG)
10	Floors
11	System
12	Component
13	Mat / Equip Type
14	Section Sub-Type
15	Section Name
16	Section Qty (ENG)
17	Section UoM (ENG)

Report Columns, continued:

ORDER	COLUMN NAME
18	Section Year
19	Section Year Source
20	Section DL
21	Section Age
22	Section RDL
23	Section RSL
24	Painted?
25	Paint Year
26	CSCI
27	CSCCI
28	Section Comments
29	Insp Date
30	Insp Type
31	Insp Source
32	Inspector
33	Expected Rating
34	Comp Rating
35	Paint Rating
36	Count of Inspection Images
37	Insp Comments
38	SITE_ID
39	COMPLEX_ID
40	FACILITY_ID
41	BLDG_SYS_ID
42	SYS_COMP_ID
43	COMP_SEC_ID
44	INSP_DATA_ID

Basic Description:

Report specific to the Air Force Military Family Housing, this report lists the CMCs and unit cost values associated with AFMFH.

If this report is tabular, then what are the rows?

Each row is a unique BUILDER CMC.

Is this report filtered? If so, how?

No, this report shows all CMCs.

Additional Notes:

Report Columns:

ORDER	COLUMN NAME
1	CMC
2	System (LEVEL II)
3	Component (LEVEL III)
4	Component Section (LEVEL IV)
5	Component Sub-Type (Pseudo LEVEL V)
6	UM
7	Design Life (from USAF RSL Book)
8	REPLACE Unit Cost (from USAF Cost Book)
9	REPLACE Unit Cost (from AFMFH Custom Cost Book)

Basic Description:

Report specific to the Air Force Military Family Housing. Displays facilities and pertinent data for the AFMFH facilities.

If this report is tabular, then what are the rows?

Each row is a unique FACILITY.

Is this report filtered? If so, how?

No, this report shows all FACILITIES.

Additional Notes:

Report Columns:

ORDER	COLUMN NAME
1	Installation Code
2	Installation Name
3	Neighborhood
4	Bldg Num
5	Bldg Name
6	RPUID
7	Category Code
8	Year Built
9	GSF
10	Building Status
11	Base Year
12	FCI
13	FCI 1
14	FCI 2
15	FCI 3
16	FCI 4
17	FCI 5
18	FCI 6
19	FCI 7

Report Columns, continued:

ORDER	COLUMN NAME
20	FCI 8
21	FCI 9
22	BCI
23	BCI 1
24	BCI 2
25	BCI 3
26	BCI 4
27	BCI 5
28	BCI 6
29	BCI 7
30	BCI 8
31	BCI 9
32	SCI A10
33	SCI A20
34	SCI B10
35	SCI B20
36	SCI B30
37	SCI C10
38	SCI C20
39	SCI C30
40	SCI D10
41	SCI D20
42	SCI D30
43	SCI D40
44	SCI D50
45	SCI E10
46	SCI E20
47	SCI G20
48	SCI G30
49	SCI G40
50	SCI H50
51	Sum of Work Items
52	CRV
53	PRV
54	Facility ID
55	Site ID

Basic Description:

Report specific to the Air Force Military Family Housing. Displays facilities, systems, sections, inspections for the AFMFH facilities.

If this report is tabular, then what are the rows?

Each row is a unique SECTION / INSPECTION combo.

Is this report filtered? If so, how?

No, this report shows all SECTIONS.

Additional Notes:

Report Columns:

ORDER	COLUMN NAME
1	Site No
2	Site Name
3	Complex No
4	Complex Name
5	Facility No
6	Facility Name
7	BldgYear
8	Bldg Size
9	Bldg Story
10	System
11	Component
12	Section Category
13	Section Subtype
14	Section Name
15	Section Qty
16	Section UoM
17	CRV
18	Section Year
19	Section Year Source

Report Columns, continued:

ORDER	COLUMN NAME
20	Section DL
21	Section Age
22	Section RDL
23	Section RSL
24	Painted?
25	Paint Year
26	CSCI
27	CSCCI
28	Section Comments
29	Insp Date
30	Insp Type
31	Insp Source
32	Inspector
33	Expected Rating
34	Comp Rating
35	Paint Rating
36	Num Inspection Images
37	Insp Comments
38	SEC Alternate ID
39	SEC Alternate ID Source
40	Site ID
41	Complex ID
42	Facility ID
43	BLDG_SYS_ID
44	SYS_COMP_ID
45	COMP_SEC_ID
46	INSP_DATA_ID

Basic Description:

Printable report that lists all of the possible section types used in this instance of BUILDER.

If this report is tabular, then what are the rows?

Each row is a unique BUILDER CMC.

Is this report filtered? If so, how?

No, this report shows all CMCs.

Additional Notes:

A CMC identifies a unique section type broken out by Component, Material and Subtype.

Sample Page:

					
System:		A10 FOUNDATIONS			
Component:		A1010 STANDARD FOUNDATIONS			
Material / Equipment Category	Component Type	CMC	Design Life	UM	
A101001 WALL FOUNDATIONS	General	41000	100	LF	
A101001 WALL FOUNDATIONS	Other	42000	100	LF	
A101001 WALL FOUNDATIONS	Unknown	43000	100	LF	
A101001 WALL FOUNDATIONS	Foundation Wall	30212	100	SF	
A101001 WALL FOUNDATIONS	Grade Beams	21351	100	LF	
A101001 WALL FOUNDATIONS	Strip Footing	21350	100	LF	
A101002 COLUMN FOUNDATIONS & PILE CAPS	General	41001	100	EA	
A101002 COLUMN FOUNDATIONS & PILE CAPS	Other	42001	100	EA	
A101002 COLUMN FOUNDATIONS & PILE CAPS	Unknown	43001	100	EA	
A101002 COLUMN FOUNDATIONS & PILE CAPS	Column Pier	30001	100	EA	
A101002 COLUMN FOUNDATIONS & PILE CAPS	Column Pier - Concrete	30002	100	EA	
A101002 COLUMN FOUNDATIONS & PILE CAPS	Column Pier - Steel	30003	100	EA	
A101002 COLUMN FOUNDATIONS & PILE CAPS	Column Pier - Wood	30004	60	EA	
A101002 COLUMN FOUNDATIONS & PILE CAPS	Pile Cap	21348	100	EA	
A101002 COLUMN FOUNDATIONS & PILE CAPS	Spread Footing	21347	100	EA	
A101003 DEWATERING	General	41002	100	SF	
A101003 DEWATERING	Other	42002	100	SF	
A101003 DEWATERING	Unknown	43002	100	SF	
A101000 OTHER STANDARD FOUNDATIONS	General	41003	100	EA	
A101000 OTHER STANDARD FOUNDATIONS	Other	21349	100	EA	
A101000 OTHER STANDARD FOUNDATIONS	Unknown	43003	100	EA	
Component:		A1020 SPECIAL FOUNDATIONS			
Material / Equipment Category	Component Type	CMC	Design Life	UM	
A102001 PILE FOUNDATIONS	General	41004	100	SF	
A102001 PILE FOUNDATIONS	Other	42004	100	SF	
A102001 PILE FOUNDATIONS	Unknown	43004	100	SF	
A102001 PILE FOUNDATIONS	CIP Concrete	21357	100	EA	
A102001 PILE FOUNDATIONS	PC Concrete	21356	100	EA	
A102001 PILE FOUNDATIONS	Steel H Section	21354	100	EA	
A102001 PILE FOUNDATIONS	Steel Pipe	21355	100	EA	
A102001 PILE FOUNDATIONS	Treated Wood	21353	60	EA	
A102002 CAISSONS	General	30214	100	LF	
A102002 CAISSONS	Other	42005	100	SF	
A102002 CAISSONS	Unknown	43005	100	SF	
A102003 UNDERPINNING	General	41006	100	LF	
A102003 UNDERPINNING	Other	42006	100	LF	
A102003 UNDERPINNING	Unknown	43006	100	LF	
A102004 DEWATERING	General	41007	100	SF	
A102004 DEWATERING	Other	42007	100	SF	

3/29/2016 10:33:44 AM

1 of 119 Pages

Basic Description:

A "Data Dump" report showing all SECTIONS and pertinent values.

If this report is tabular, then what are the rows?

Each row is a unique SECTION.

Is this report filtered? If so, how?

No, this report shows all SECTIONS.

Additional Notes:

A CMC identifies a unique section type broken out by Component, Material and Subtype.

Report Columns:

ORDER	COLUMN NAME
1	CMC
2	System (LEVEL II)
3	Component (LEVEL III)
4	Component Section (LEVEL IV)
5	Component Sub-Type (Pseudo LEVEL V)
6	Design Life
7	UM
8	Section Usage Count (TOTAL)
9	Section Count (AFACT)
10	Section Count (AFMFH)
11	Section Count (AFRC)
12	Section Count (AFGUARD)
13	Section Count (AMC)

Basic Description:

Displays all unique CMCs cross-referenced with a Preventative Maintenance Task List item.

If this report is tabular, then what are the rows?

Each row is a unique BUILDER CMC.

Is this report filtered? If so, how?

No, this report shows all CMCs.

Additional Notes:

A CMC identifies a unique section type broken out by Component, Material and Subtype. In this particular report, the row also includes the corresponding Preventative Maintenance Task List that pertains to this type of building section.

Report Columns:

ORDER	COLUMN NAME
1	CMC
2	System (LEVEL II)
3	Component (LEVEL III)
4	Component Section (LEVEL IV)
5	Component Sub-Type (Pseudo LEVEL V)
6	UM
7	PMTL ID
8	Work Group
9	RS Means Level IV ID
10	Level IV Description

Basic Description:

This report generates a printable report. Starting at the site level of the chosen facility, this report shows the various level of the BUILDER hierarchy indicates the number of images that have been entered at each level.

If this report is tabular, then what are the rows?

This report is not tabular.

Is this report filtered? If so, how?

No, this report displays all levels of the hierarchy that exist for this facility.

Sample Page:

Facility Image Hierarchy With Image Counts
 Generated From BUILDER SMS on: 4/5/2016 10:59:50 AM

				Image Count	
SITE					
[Redacted]				33ff8495-eb0-4b6c-9bea-3fd5f4559f8	0
FACILITY					
00450 - CALIBRATION LAB INSTRUMENT-CALIBRATION SHOP				c510a945-243f-4f51-a6ac-718b2a5b6371	0
SYSTEM					
[Redacted]				937f2241-96d7-40ba-b5ff-5faf00ec545c	0
COMPONENT					
[Redacted]				f3a9ec0b-2a9e-4b01-81d1-73d3cec021c3	0
SYSTEM					
B20 EXTERIOR ENCLOSURE				937f2241-96d7-40ba-b5ff-5faf00ec545c	0
COMPONENT					
B2010 EXTERIOR WALLS				a9e0151e-a6c1-4f41-ba10-3ebf4af51e4c	0
SECTION					
B201001 EXTERIOR CLOSURE					
N/A		Concrete Block		05487ad5-6d1f-4f51-823f-d92d7614d0f9	0
INSPECTION					
11/9/2015	Direct	71	Arnaldo Vincenty	a4d1238a-e392-46d3-937d-6fe69956464d	5
SECTION					
B201001 EXTERIOR CLOSURE					
METAL SHED		Metal Panel		25ce7c31-0816-453d-9955-683e2bc8b8f2	0
INSPECTION					
11/9/2015	Direct	95	Arnaldo Vincenty	b95eae55-929b-4c64-bcca-359bfad34198	0
COMPONENT					
B2030 EXTERIOR DOORS				95197448-e070-4426-aedc-8c93a44fcc22	0
SECTION					
B203001 SOLID DOORS					
N/A		Steel		a5c21c97-3dbb-43de-94e8-3642374103f8	0

Basic Description:

This report generates a printable report. Starting at the facility level of the chosen facility, this report shows a thumbnail-sized image of any images that have been loaded at the FACILITY, COMPONENT, SECTION, SECTION DETAIL or INSPECTION level of the BUILDER hierrachy.

If this report is tabular, then what are the rows?

This report is not tabular.

Is this report filtered? If so, how?

No, this report displays all images at these levels. It does not display PDF attachments, only JPG attachments.

Sample Page:

Facility Photo Inventory [REDACTED]

FACILITY		
<i>Facility</i>	00450	ACFT MAINT BLDG - HANGAR 1



Atkins_pic_20130325085725.jpg

FACILITY		
<i>Facility</i>	00450	ACFT MAINT BLDG - HANGAR 1



Atkins_pic_20130325085659.jpg

SECTION		
<i>Facility</i>	00450	ACFT MAINT BLDG - HANGAR 1
<i>System</i>	B20 EXTERIOR ENCLOSURE	
<i>Component</i>	B2010 EXTERIOR WALLS	
<i>Section</i>	B201001 EXTERIOR CLOSURE	
	SOUTH ELEVATION	
	Metal Panel	



Atkins_pic_20130325093748.jpg

e041002b-7d81-4530-823a-57d2c2708216

SECTION		
<i>Facility</i>	00450	ACFT MAINT BLDG - HANGAR 1
<i>System</i>	B20 EXTERIOR ENCLOSURE	
<i>Component</i>	B2010 EXTERIOR WALLS	
<i>Section</i>	B201001 EXTERIOR CLOSURE	
	EAST ELEVATION	
	Metal Panel	



Atkins_pic_20130325092550.jpg

783ed252-fb9-44a9-a947-f22d7b6065fc

SECTION		
<i>Facility</i>	00450	ACFT MAINT BLDG - HANGAR 1
<i>System</i>	B20 EXTERIOR ENCLOSURE	
<i>Component</i>	B2010 EXTERIOR WALLS	
<i>Section</i>	B201001 EXTERIOR CLOSURE	
	EAST ELEVATION	
	Brick Veneer w/CMU Backup	



Atkins_pic_20130325094025.jpg

a8d7711a-9e7a-4d5e-ba27-59c0695e705a

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Basic Description:

A cross-tab report (pivot table); for each Facility this report displays the sum of the work items generated against the current fiscal year for each of these seven systems: B20, B30, C10, D20, D30, D40, D50.

If this report is tabular, then what are the rows?

Each row is a unique FACILITY.

Is this report filtered? If so, how?

Yes, this report only shows Facilities where at least one system has been entered into BUILDER.

Additional Notes:

Report Columns:

ORDER	COLUMN NAME
1	Installation Code
2	Installation Name
3	Special Area
4	RPUID
5	Bldg Num
6	Bldg Name
7	Category Code
8	English UoM
9	Metric UoM
10	Size (ENG)
11	Floors
12	Const Year
13	BCI
14	B20 - SCI
15	B20 Work Total
16	B30 - SCI
17	B30 Work Total
18	C10 - SCI
19	C10 Work Total
20	D20 - SCI
21	D20 Work Total
22	D30- SCI
23	D30 Work Total
24	D40 - SCI
25	D40 Work Total
26	D50 - SCI
27	D50 Work Total

Basic Description:

This report generates a printable report. Starting with the chosen facility, this report shows each SECTION and any associated images that are loaded at that SECTION level. Then it displays all INSPECTIONS that are associated with that SECTION. It then displays all images associated with that INSPECTION.

If this report is tabular, then what are the rows?

This report is not tabular.

Is this report filtered? If so, how?

No, this report displays all sections that exist for this facility and all inspections that are associated with each section.

Sample Page:



Inspection Report with Images

Report Generated From BUILDER SMS on: 4/4/2016 10:48:02 AM

This report displays Sections and Inspections for chosen Facility and any associated Section and Inspection Images if they exist.

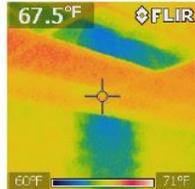
SECTION			
Facility	00450	CALIBRATION LAB INSTRUMENT-CALIBRATION SHOP	
System	B20 EXTERIOR ENCLOSURE		
Component	B2010 EXTERIOR WALLS		
Section	B201001 EXTERIOR CLOSURE	N/A	Concrete Block

05487285-6017-4051-623F-652876148279

INSPECTION DETAILS			
INPS_DATA_ID	a4d1238a-e392-46d3-937d-6fe69956464d		
Type / Date	Direct	11/9/2015	
Inspector / RSL	[REDACTED]	23	
CSCI	70	[REDACTED]	
Efflorescence present interior and exterior sides of wall at Addition			



DKGV_B0450_B20_A_0010



DKGV_B0450_BE_IR_0001



DKGV_B0450_BE_IR_0002



DKGV_B0450_C10_G_0001



DKGV_B0450_C10_G_0002

Basic Description:

Preventive Maintenance One-Stop-Shop (PMOSS); a comprehensive report that matches all of the SECTION DETAILS with its Preventive Maintenance Task List columns.

If this report is tabular, then what are the rows?

Each row is a unique SECTION DETAIL.

Is this report filtered? If so, how?

No, this report shows all SECTION DETAILS.

Report Columns:

ORDER	COLUMN NAME
1	Site No
2	Site Name
3	Complex No
4	Complex Name
5	Facility No
6	RPUID

ORDER	COLUMN NAME
7	Facility Name
8	Facility Use Code
9	Category Code
10	Bldg Year
11	Bldg Size
12	Bldg Story
13	Building Status
14	System
15	Component
16	Section Category
17	Section Subtype
18	Section Name
19	CRV
20	Section Qty
21	Section UoM
22	Section Year
23	Section Year Source
24	Section DL
25	Section Age
26	CSCI
27	CSCCI
28	Section Comments
29	Audit Date
30	Action
31	UserName
32	ID Number
33	Model
34	Serial Number
35	Capacity
36	Manufacturer
37	Date Manufactured
38	Date Installed
39	Control Type Make
40	Warranty Date
41	Warranty Company
42	Warranty Date 2
43	Warranty Company 2
44	Location

ORDER	COLUMN NAME
45	Comment
46	Num Detail Images
47	Site ID
48	Complex ID
49	Facility ID
50	BLDG_SYS_ID
51	SYS_COMP_ID
52	COMP_SEC_ID
53	SEC_DETAIL_ID
54	Mission Dependency Index
55	System Impact Factor (SIF)
56	Last Inspection Date
57	CMC
58	Work Group
59	RS Means Level IV ID
60	Level IV Description
61	PMTL
62	PMTL Description
63	Daily
64	Weekly
65	Semi-Monthly
66	Montly
67	Bi-Monthly
68	Quarterly
69	Semi-Annually
70	Annually
71	20-Month
72	21-Month
73	2-Year
74	3-Year
75	40-Month
76	4-Year
77	5-Year
78	6-Year
79	10-Year
80	Total **Annualized** Hours
81	Remarks
82	Recommended Crew Size (Safety)

Basic Description:

Preventive Maintenance One-Stop-Shop (PMOSS); a comprehensive report that matches all of the SECTION DETAILS with its Preventive Maintenance Task List columns.

If this report is tabular, then what are the rows?

Each row is a unique SECTION DETAIL.

Is this report filtered? If so, how?

No, this report shows all SECTION DETAILS.

Report Columns:

ORDER	COLUMN NAME
8	Facility Use Code
9	Category Code
10	Bldg Year
11	Bldg Size
12	Bldg Story
13	Building Status
14	System
15	Component
16	Section Category
17	Section Subtype
18	Section Name
19	CRV
20	Section Qty
21	Section UoM
22	Section Year
23	Section Year Source
24	Section DL
25	Section Age
26	CSCI
27	CSCCI
28	Section Comments
29	Num Section Images
30	Date
31	Action
32	UserName
33	ID Number
34	Model
35	Serial Number
36	Capacity
37	Manufacturer
38	Date Manufactured
39	Date Installed
40	Control Type Make
41	Warranty Date
42	Warranty Company
43	Warranty Date 2
44	Warranty Company 2
45	Location

ORDER	COLUMN NAME
46	Comment
47	Num Detail Images
48	Site ID
49	Complex ID
50	Facility ID
51	BLDG_SYS_ID
52	SYS_COMP_ID
53	COMP_SEC_ID
54	SEC_DETAIL_ID
55	Mission Dependency Index
56	System Impact Factor (SIF)
57	Last Inspection Date
58	CMC
59	Work Group
60	RS Means Level IV ID
61	Level IV Description
62	PMTL
63	PMTL Description
64	Daily
65	Weekly
66	Semi-Monthly
67	Monthly
68	Bi-Monthly
69	Quarterly
70	Semi-Annually
71	Annually
72	20-Month
73	21-Month
74	2-Year
75	3-Year
76	40-Month
77	4-Year
78	5-Year
79	6-Year
80	10-Year
81	Total **Annualized** Hours
82	Remarks
83	Recommended Crew Size (Safety)

ORDER	COLUMN NAME
1	Site No
2	Site Name
3	Complex No
4	Complex Name
5	Facility No
6	RPUID
7	Facility Name

Basic Description:

A listing of all of the Preventive Maintenance Task List records.

If this report is tabular, then what are the rows?

Each row is a unique PMTL record.

Is this report filtered? If so, how?

No, this report shows all PMTL records.

Additional Notes:

Report Columns:

ORDER	COLUMN NAME
1	PMTL ID
2	PMTL ID (No Spaces)
3	PMTL Description
4	Daily
5	Weekly
6	Semi-Monthly
7	Monthly
8	Bi-Monthly
9	Quarterly
10	Semi-Annually
11	Annually
12	20-Month
13	21-Month
14	2-Year
15	3-Year
16	40-Month
17	4-Year
18	5-Year
19	6-Year
20	10-Year
21	Total **Annualized** Hours
22	Remarks
23	Recommended Crew Size

Basic Description:

A Pie Chart graph that shows the percentage of USAF inventory for which the assessment of the seven key systems has been completed. There is a drill-down that can be expanded to see the detail scores by facility.

If this report is tabular, then what are the rows?

In the expandable detail section of this report, each row is a unique FACILITY.

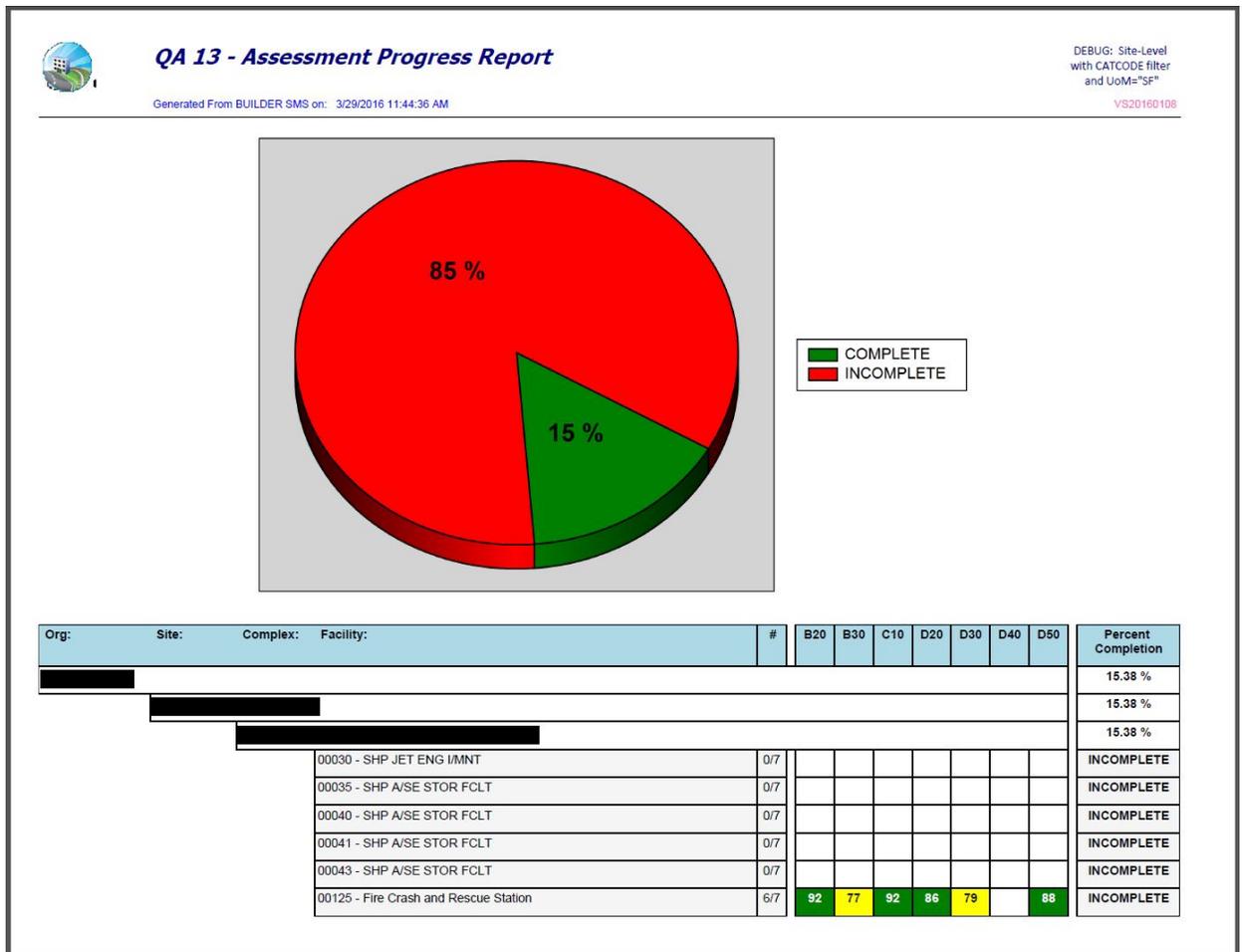
Is this report filtered? If so, how?

Yes, this report is limited to facilities where these are all true: (1) facilities with category codes that appear in the USAF-provided filter-table appear in this report, (2) facilities for which the English unit of measure is "SF" and (3) facilities where the Inventory Control Code is NOT equal to "Z".

Sample Page:

Report Columns for Detail Portion:

ORDER	COLUMN NAME
1	Org
2	Site
3	Complex
4	Facility
5	# (Complete/Total)
6	B20
7	B30
8	C10
9	D20
10	D30
11	D40
12	D50
13	Percent Completion



Basic Description:

This report generates a printable report formatted to conform to the standard DD Form 1391 form for military construction.

If this report is tabular, then what are the rows?

Each page is a unique Facility. In the detail (ITEM) portion of the report, each row is a unique work item.

Is this report filtered? If so, how?

Yes, this report shows facilities for which a work item has been generated.

Sample Page:

1. COMPONENT		Military Construction Plan		2. DATE	
				29-Mar-16	
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COSTS (\$000)		
	750371		\$- Repair \$- Maintenance \$- Construction		
9. COST ESTIMATE					
Item	U/M	Quantity	Unit Costs	Costs (\$000)	
Total Maintenance requirements as developed in the BUILDER database for the next 5 years.	LS	1		\$33.50	
Replace D5010 ELECTRICAL SERVICE & DISTRIBUTION D501002 SERVICE ENTRANCE EQUIPMENT General	EA	1	\$16,500		
Replace D5010 ELECTRICAL SERVICE & DISTRIBUTION D501002 SERVICE ENTRANCE EQUIPMENT General	EA	1	\$17,000		
Energy Audit	LS	1		X	
ADA Improvements	LS	1		X	
Design Fees	LS	8%	\$2,680		
Contractor OH&P	LS	10%	\$3,350		
Contingency	LS	10%	\$3,350		
Hazardous Material Remediation	LS	5%	\$1,675		
Testing	LS	2%	\$670		
SIOH	LS	5%	\$1,675		
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
11. REQUIREMENT					
PROJECT:					
REQUIREMENT:					
CURRENT SITUATION:					
IMPACT IF NOT PROVIDED:					
COMPLIANCE:					
BASE APPROVAL:				DATE:	
DD Form 1391, JUL 99					

Basic Description:

This report generates a printable report. Starting with the chosen facility, this report shows each SECTION and any associated images that are loaded at that SECTION level. Then it displays all SECTION DETAILS (i.e. pieces of equipment) that are associated with that SECTION. It then displays all images associated with that SECTION DETAIL.

If this report is tabular, then what are the rows?

This report is not tabular.

Is this report filtered? If so, how?

No, this report displays all sections that exist for this facility and all section details that are associated with each section.

Sample Page:



Section Report with Images

Report Generated From BUILDER SMS on: 4/4/2016 10:34:22 AM

This report displays Sections and Section Details for chosen Facility and any associated Section and Section Detail Images if they exist.

SECTION		
Facility	00229	BASE MAINTENANCE SHOP
System	D30 HVAC	
Component	D3050 TERMINAL & PACKAGE UNITS	
Section	D305006 PACKAGE UNITS	Ductless Split Systems
		Packaged A/C, Air Cooled, Elec Heat

SECTION DETAILS	
SD_ID	0b1fe7d3-d5f9-4c1a-9c47-6a558e985b76
Type	
Make	
Manufacturer	CARRIER CORP.
Model	40QNH018320



Unit_3

SECTION DETAILS	
SD_ID	8d766d6b-9a10-472c-934d-107e47b7fc0b
Type	
Make	
Manufacturer	CARRIER CORP.
Model	40QNH018320



Unit_2

SQL SERVER DATA-VIEW NAME – By Report

(This information would be useful and relevant to a report developer, but probably not to a report end-user.)

Report Name	SQL Server Data-View Name
Final 0A - Real Property Inventory - w SystemGrid	RSV.Final0A_RealPropertyInventory
Final 0B - Real Property Inventory - no SystemGrid	RSV.Final0B_RealPropertyInventory
Final 1 - Facility Summary	RSV.Final1_FacilitySummary
Final 2 - System Summary	RSV.Final2_SystemSummary
Final 3 - Component Details	RSV.Final3_ComponentDetails
Final 4 - Equipment Details	RSV.Final4_EquipmentDetails
Final 4B - Boiler Details	RSV.Final4_EquipmentDetails
Final 5 - Inspection Summary	RSV.Final4_EquipmentDetails
Final 6 - Distress Details	RSV.Final6_DistressDetails
Final 7 - Work Action Summary	RSV.Final7_WorkActionSummary
Final 8 - Work Action Detail	RSV.Final8_WorkActionDetail
Final 9 - Facility System Quick View	RSV.Final999_FacilitySystemQuickView
FlatFile 1 - Component Section Summary	RSV.FlatFile1_ComponentSectionSummary
FlatFile 2 - Equipment Details	RSV.FlatFile2_EquipmentDetails
FlatFile 3 - Inspection Detail	RSV.FlatFile3_InspectionDetails
FlatFile 4 - Distress Details	RSV.FlatFile4_DistressDetails
FlatFile 5 - Work Action Detail	RSV.FlatFile5_WorkActionDetails
Inspection Locks	RSV.InspectionLocks
QA 01 - Missing or Low Inventory	RSV.QA1_MissingLowInventory
QA 02 - Missing Comments	RSV.QA2_SectionClassification
QA 03 - Naming Discrepancies	RSV.QA3_NamingDiscrepancies
QA 04 - Suspect Section Inventory	RSV.QA4_QuantityAndAge
QA 05 - Missing Section Details	RSV.QA5_MissingOrLowSectionDetails
QA 06 - Missing Section Detail Images	RSV.QA6_MissingSectionImages
QA 07 - Sections Without Inspections	RSV.QA7_MissingInspections
QA 08 - Section Details Without Inspections	RSV.QA8_InventoriedButMissingInspections
QA 09 - Section Detail Discrepancies	RSV.QA9_SectionDetailDiscrepancies
QA 10 - Missing Inspection Comments	RSV.QA10_MissingInspectionComments
QA 11 - Section Condition Analysis Exception	RSV.QA11_SectionConditionAnalysisException
QA 12A - InspectorMatrix - ByInstSysInspector	RSV.QA12_InspectorMatrix
QA 12B - InspectorMatrix - ByInstSys	RSV.QA12_InspectorMatrix
QA 12C - InspectorMatrix - ByInstInspectorSys	RSV.QA12_InspectorMatrix
QA 12D - InspectorMatrix - ByInspector	RSV.QA12_InspectorMatrix
QA 12E - InspectorMatrix - GRAPH - ByInstSys	RSV.QA12_InspectorMatrix, RSV.QA12_InspectorMatrixGraph
QC 1 - Facility Report	RSV.QC01_FACILITIES
QC 2 - System Report	RSV.QC02_SYSTEMS

QC 3 - Component Report	RSV.QC03_COMPONENTS
QC 4 - Component-Section	RSV.QC04_SECTIONS
QC 5 - Section Details	RSV.QC05_DETAILS
QC 6 - Inspection Report	RSV.QC06_INSPECTIONS
AFMFH Catalog - Flatfile	RSV.AFMFH_Catalog
AFMFH_Report1	RSV.AFMFH_Report1
AFMFH_Report2	RSV.AFMFH_Report2
BUILDER Catalog	RSV.BUILDER_Catalog
BUILDER Catalog - Flatfile	RSV.BUILDER_Catalog
BUILDER Catalog - With PMTL Crosswalk	RSV.BUILDER_Catalog_with_PMTL_Crosswalk
Facility Image Hierarchy With Counts	RSV.ImageTree
Facility Thumbnail Images	RSV.Thumbnails_ALL
Final 10 – Building System Work Item Rollup	RSV.Final10_BuildingSystemWorkItemRollup
Inspection Report With Images	RSV.QC04_SECTIONS
PM 1 - PMOSS (SECTION-based rows)	RSV.PM01_PMOSS
PM 2 - PMOSS (SECTION-based rows) Additional Columns	RSV.PM01_PMOSS
PMTL 1 - Preventive Maintenance Task List Report	RSV.PMTL_Crosswalk
QA 13 - Assessment Progress Report	RSV.AssessmentProgressReport_Ver3, RSV.AssessmentProgressReport_Graph_Ver3
rptDD1391	RSV. rptDD1391
Section Report With Images	RSV.QC04_SECTIONS