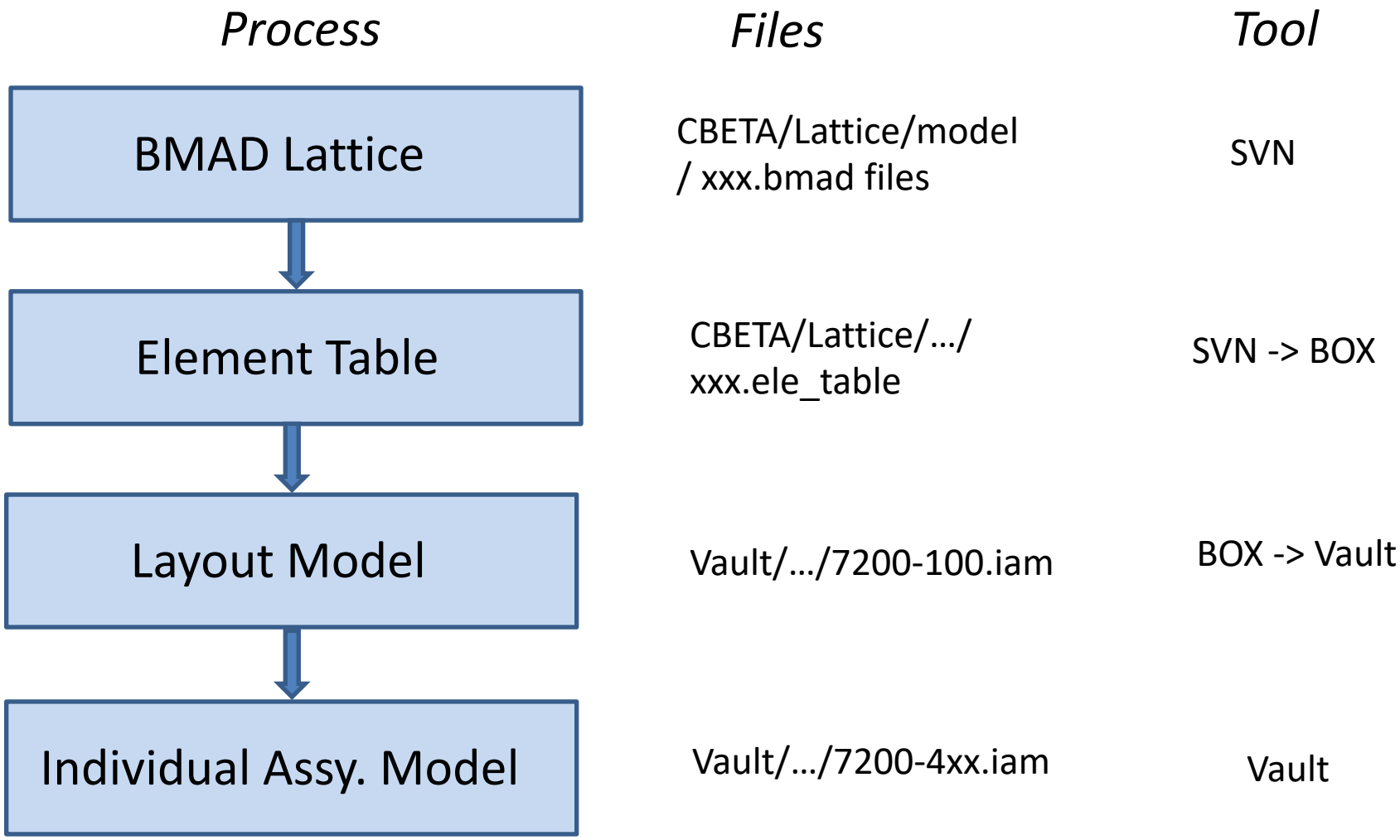
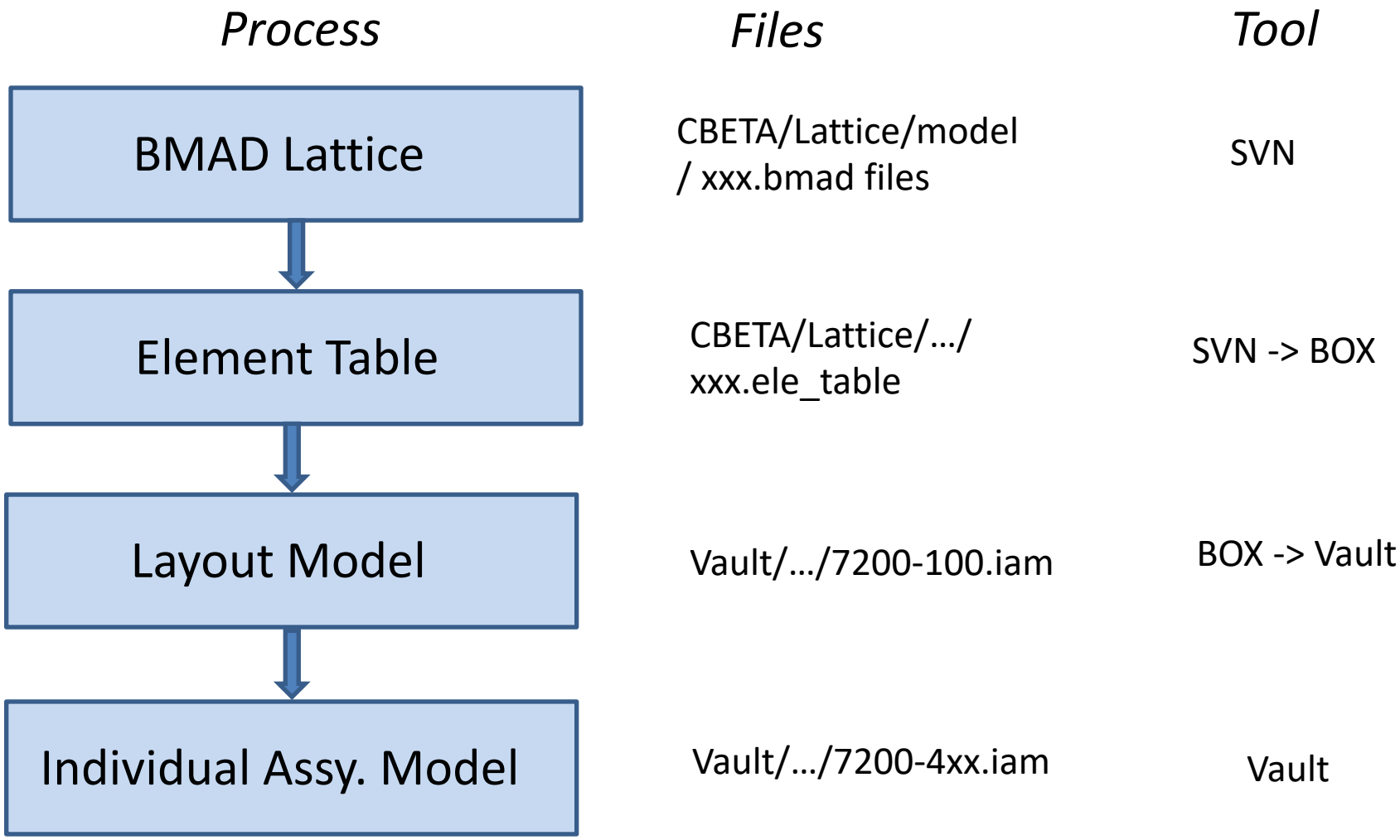
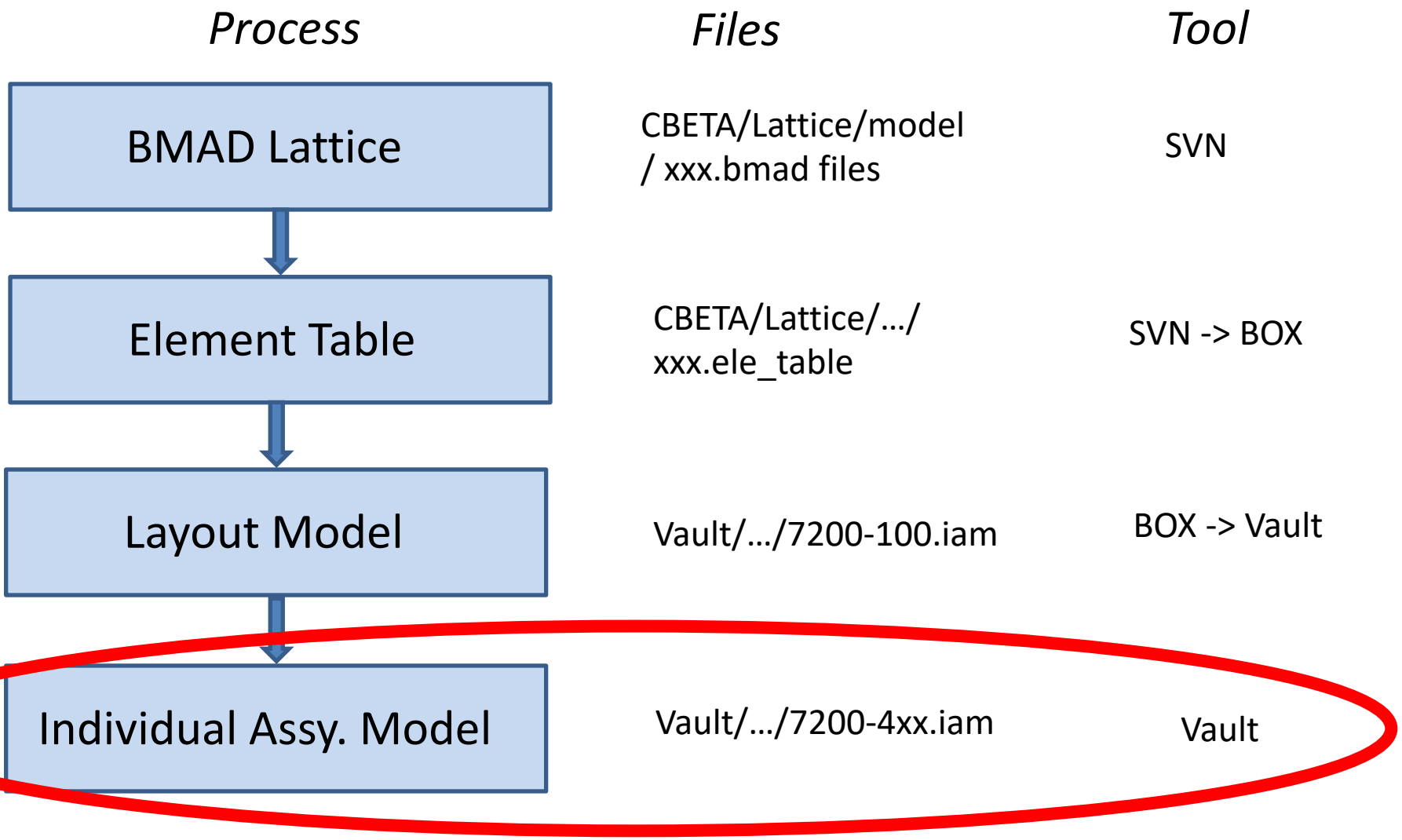
Configuration Control



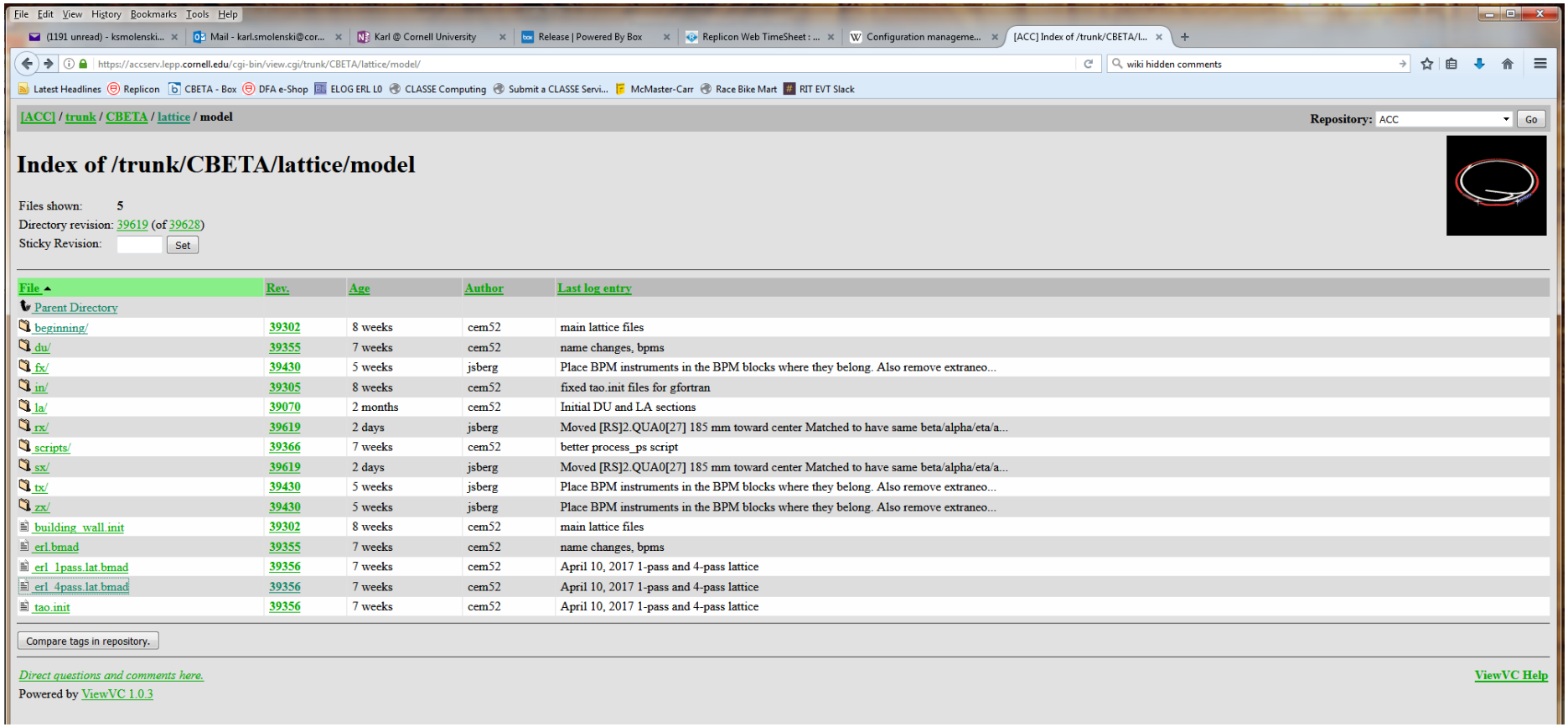
Physical Configuration Control



Physical Configuration Control



SVN for BMAD Files (Model)



[ACC] / trunk / CBETA / lattice / model

Repository: ACC Go

Index of /trunk/CBETA/lattice/model

Files shown: 5
Directory revision: 39619 (of 39628)
Sticky Revision: Set

File	Rev.	Age	Author	Last log entry
Parent Directory				
beginning/	39302	8 weeks	cem52	main lattice files
du/	39355	7 weeks	cem52	name changes, bpms
fx/	39430	5 weeks	jsberg	Place BPM instruments in the BPM blocks where they belong. Also remove extraneo...
in/	39305	8 weeks	cem52	fixed tao.init files for gfortran
la/	39070	2 months	cem52	Initial DU and LA sections
rx/	39619	2 days	jsberg	Moved [RS]2.QUA0[27] 185 mm toward center Matched to have same beta/alpha/eta/a...
scripts/	39366	7 weeks	cem52	better process_ps script
sx/	39619	2 days	jsberg	Moved [RS]2.QUA0[27] 185 mm toward center Matched to have same beta/alpha/eta/a...
tx/	39430	5 weeks	jsberg	Place BPM instruments in the BPM blocks where they belong. Also remove extraneo...
zx/	39430	5 weeks	jsberg	Place BPM instruments in the BPM blocks where they belong. Also remove extraneo...
building_wall.init	39302	8 weeks	cem52	main lattice files
erl.bmad	39355	7 weeks	cem52	name changes, bpms
erl_1pass.lat.bmad	39356	7 weeks	cem52	April 10, 2017 1-pass and 4-pass lattice
erl_4pass.lat.bmad	39356	7 weeks	cem52	April 10, 2017 1-pass and 4-pass lattice
tao.init	39356	7 weeks	cem52	April 10, 2017 1-pass and 4-pass lattice

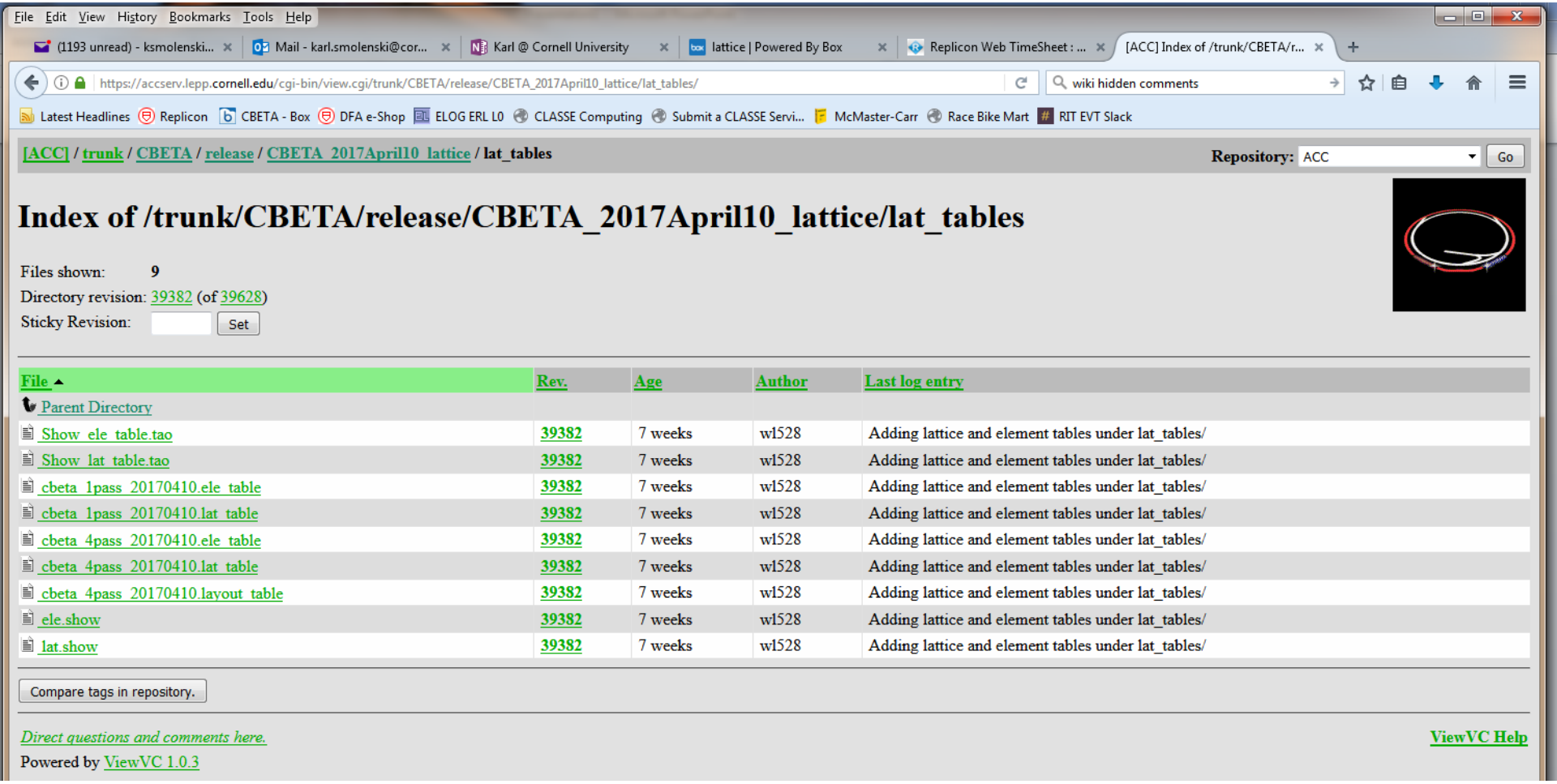
Compare tags in repository.

Direct questions and comments here. ViewVC Help

Powered by ViewVC 1.0.3

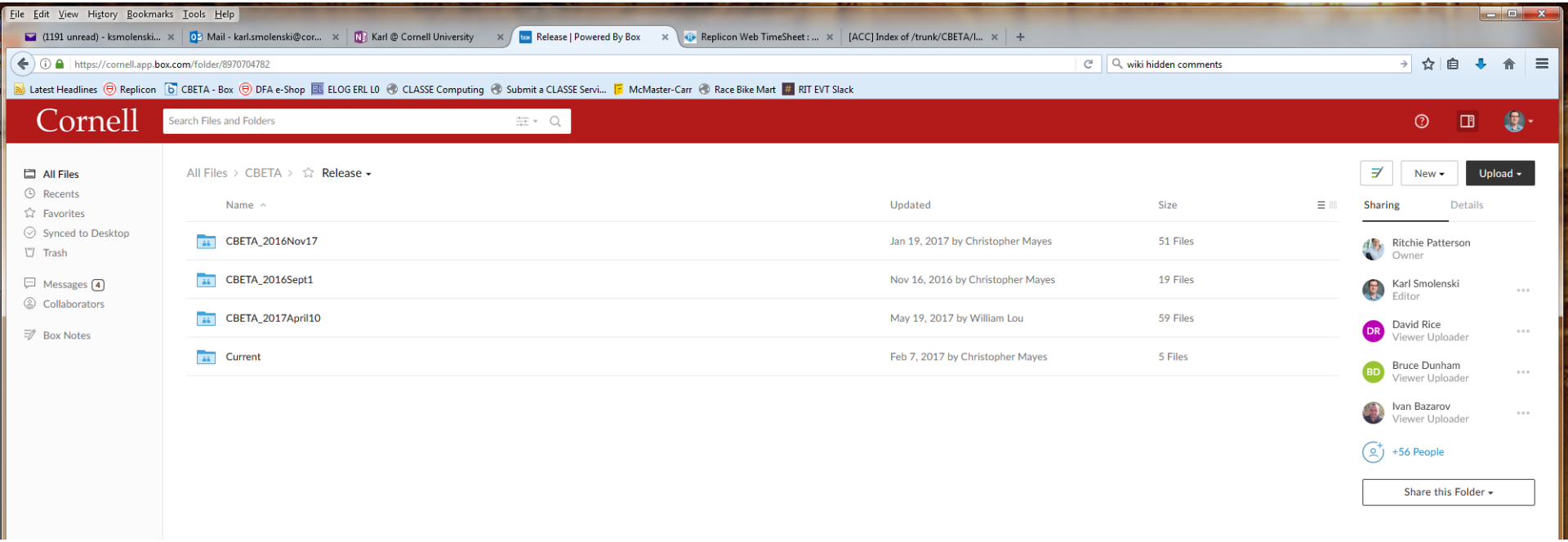
https://accserv.lepp.cornell.edu/cgi-bin/view.cgi/trunk/CBETA/lattice/model/

SVN for Lattice Element Files (Lattice Tables)



https://accserv.lepp.cornell.edu/cgi-bin/view.cgi/trunk/CBETA/release/CBETA_2017April10_lattice/lat_tables/

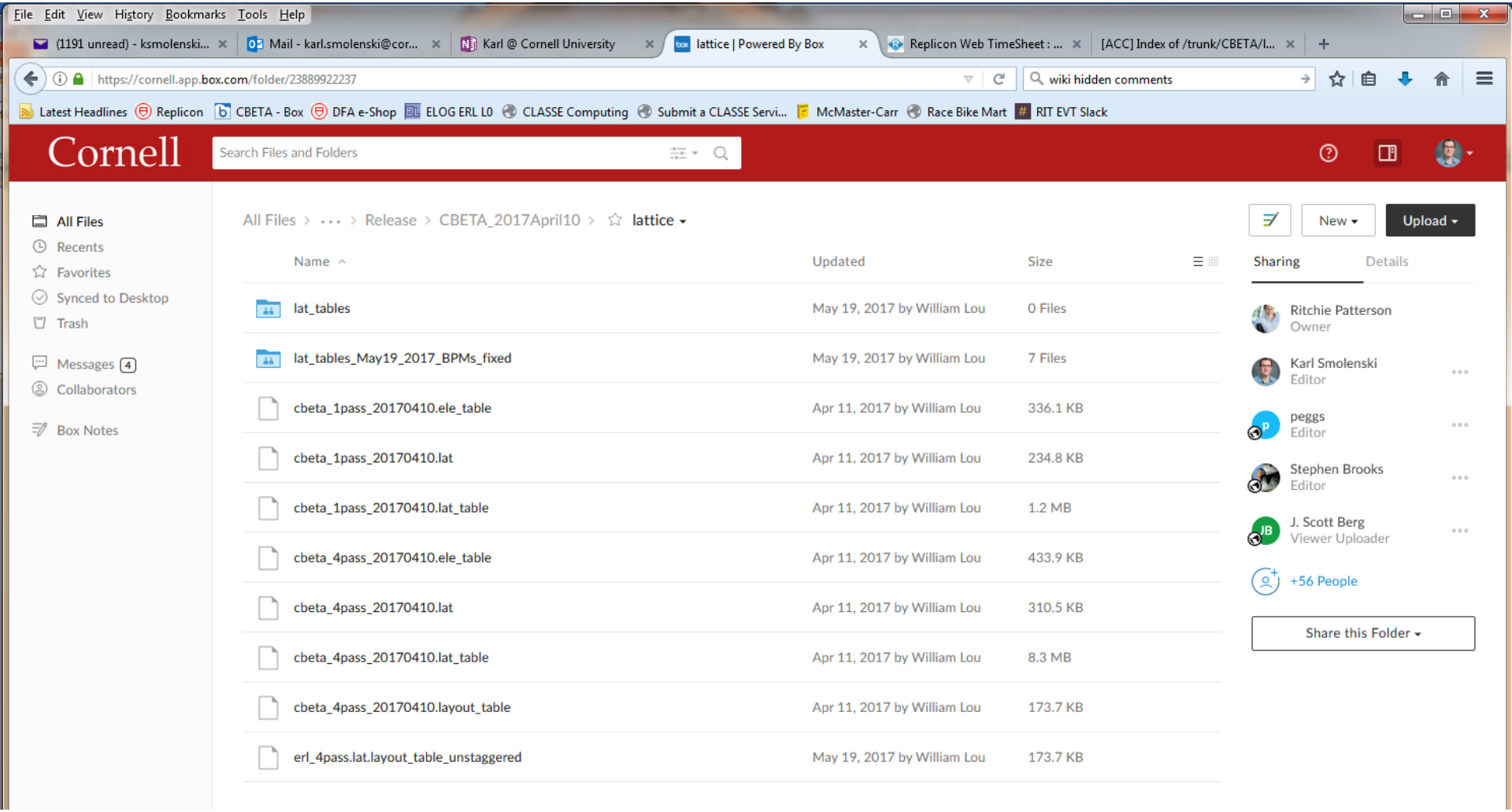
BOX holds a duplicate of the lattice element files (and historical data). These are not the BMAD input files, but the resulting element tables (xxx.ele_table) (which define components and locations)



This is done for broad accessibility / ease

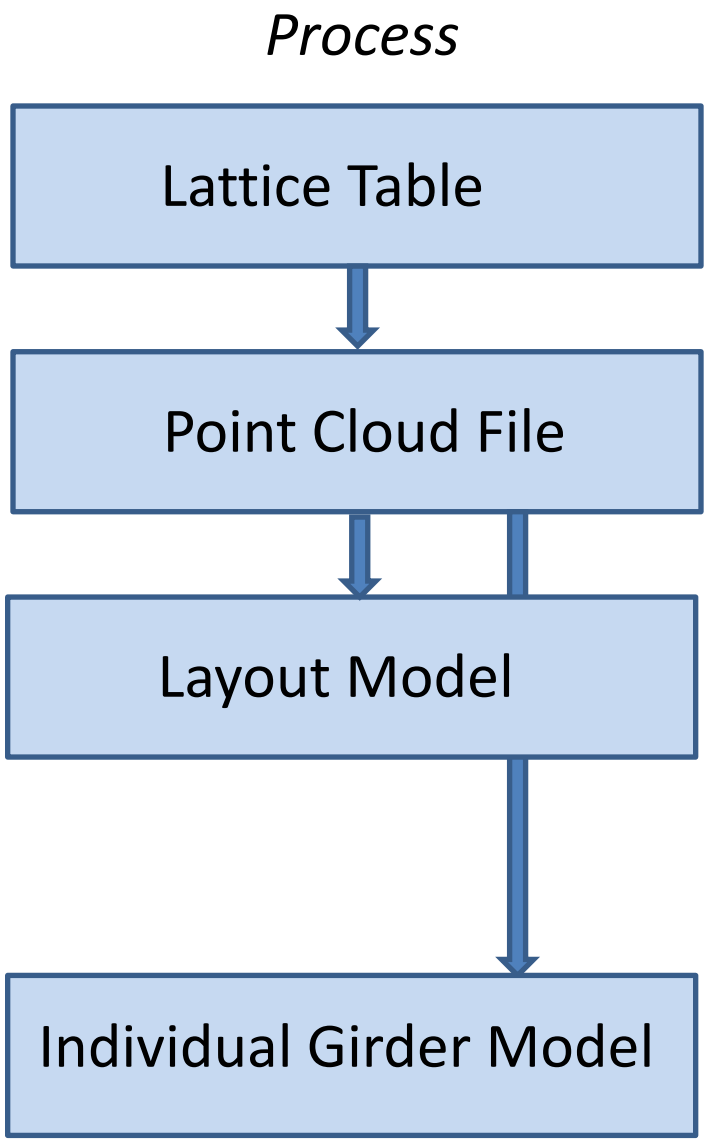
Box > CBETA > Release

BOX holds a duplicate of the lattice element files (and historical data). These are not the BMAD input files, but the resulting element tables (xxx.ele_table) (which define components and locations)

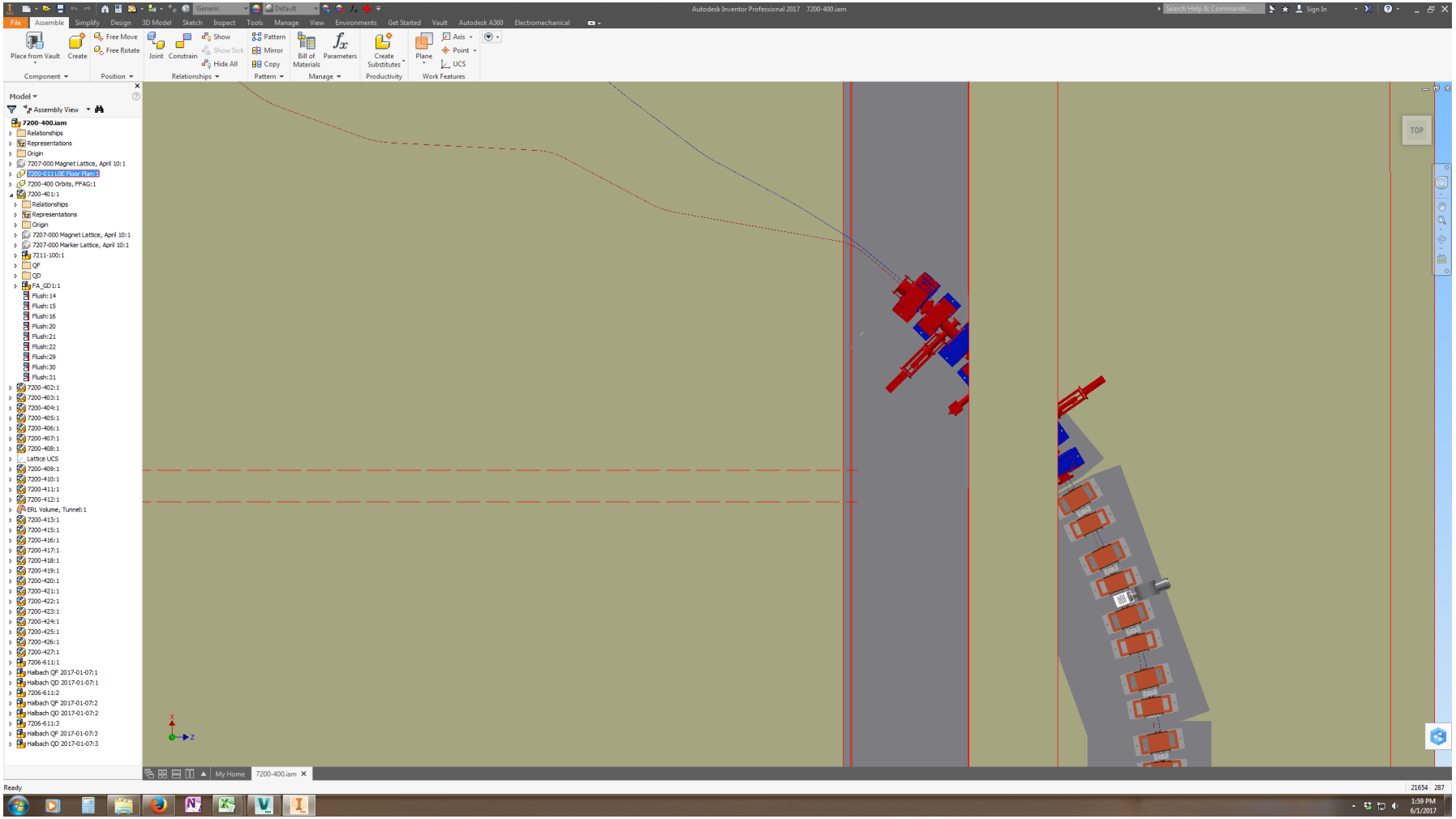


Box > CBETA > Release > CBETA_2017April10

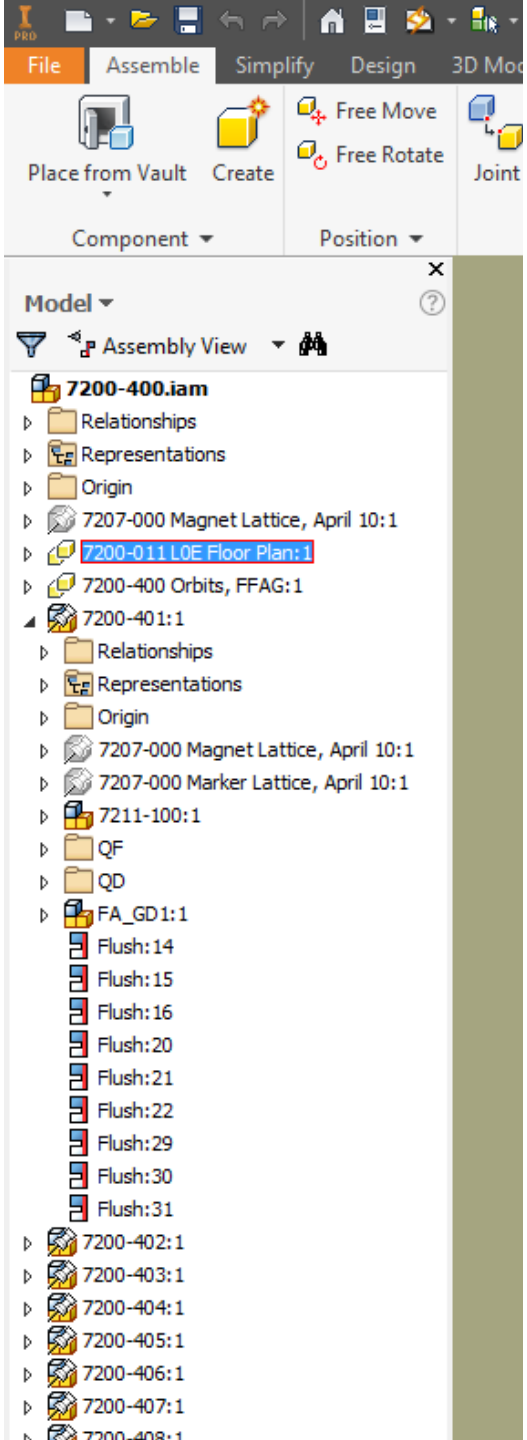
Physical Layout Process



xxx.ele_table files are then used to drive the machine layout via
Magnet's and other marker's coordinates are used to drive the CAD model



Box > CBETA > Release > CBETA_2017April10


File
Assemble
Simplify
Design
3D Mod
Place from Vault
Create
Free Move
Free Rotate
Joint
Component
Position
Model
Assembly View
7200-400.iam
Relationships
Representations
Origin
7207-000 Magnet Lattice, April 10:1
7200-011 L0E Floor Plan:1
7200-400 Orbits, FFAG:1
7200-401:1
Relationships
Representations
Origin
7207-000 Magnet Lattice, April 10:1
7207-000 Marker Lattice, April 10:1
7211-100:1
QF
QD
FA_GD1:1
Flush:14
Flush:15
Flush:16
Flush:20
Flush:21
Flush:22
Flush:29
Flush:30
Flush:31
7200-402:1
7200-403:1
7200-404:1
7200-405:1
7200-406:1
7200-407:1

- Not everything is in BMAD (pumps, stands, girders, etc.)
- While BMAD drives the layout and models, its input (via the lattice point cloud file) is infrequent. After the input the configuration is controlled by Vaulted design models, using revision control procedures.

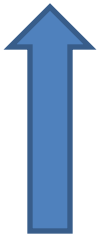
Configurations

- MLC Test Configuration (2017)
- FAT Test Configuration (2018)
- 4-pass Installation (2019)
  - 1 pass run
  - Multipass run
- Each Configuration would be a separation drawing number

Expected Layouts

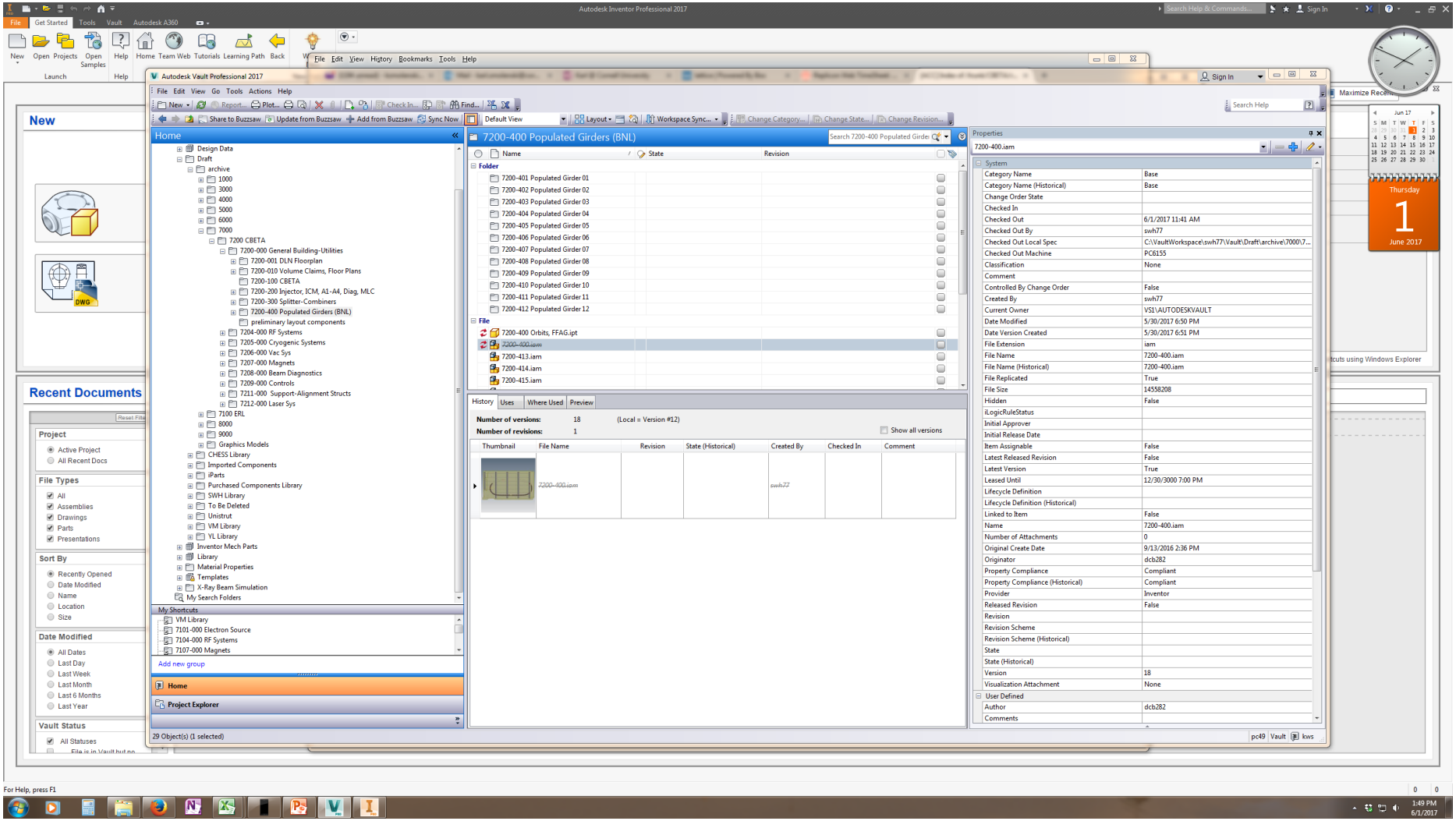
- 7200-000 – Entire Room Layout

- 7200-100 – Master Machine Layout

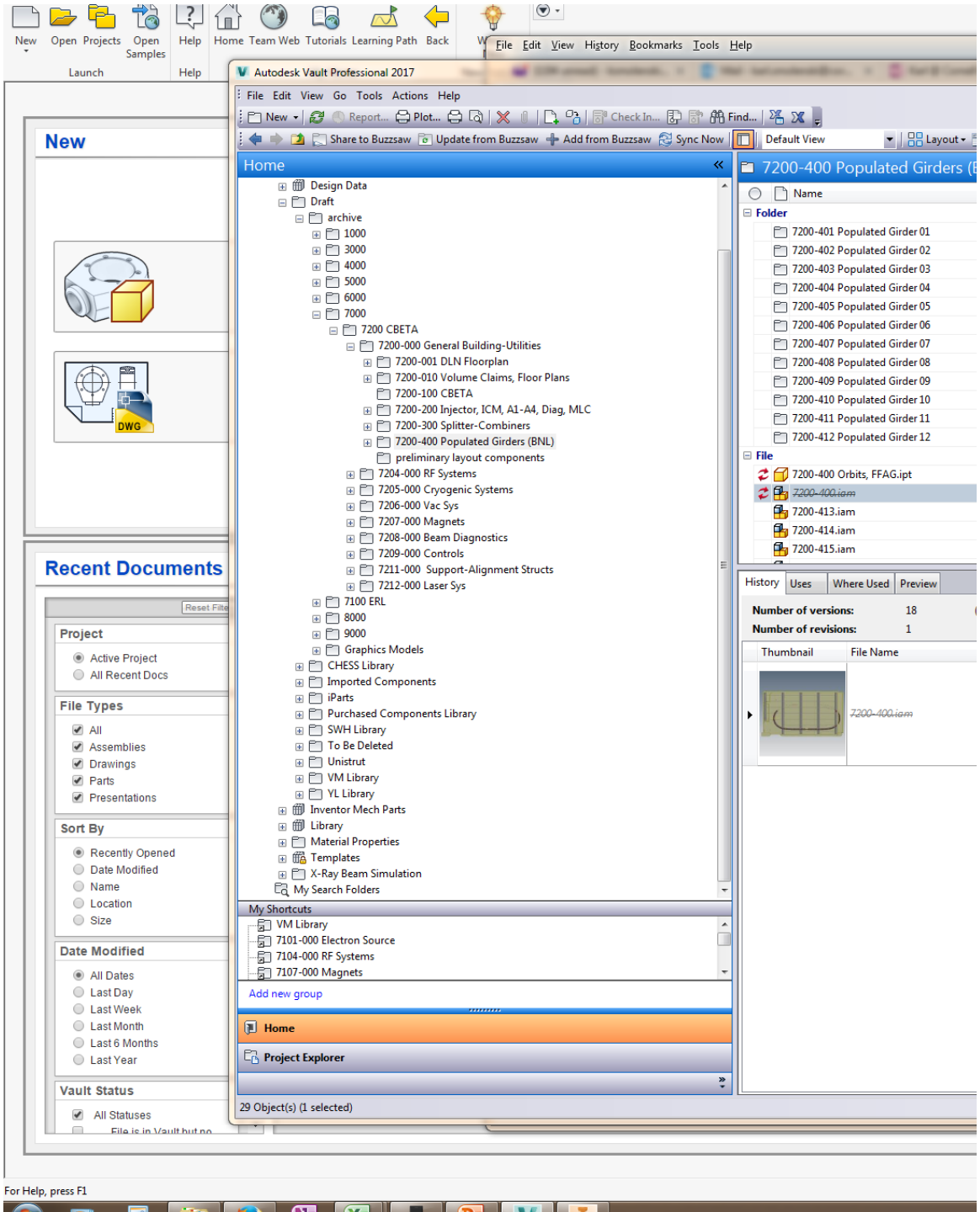


- 7200-200 – Injector
- 7200-300 – Splitter
- 7200-400 – FFAG Arcs (shown previously)

Ultimately Engineers use Vault as the configuration control
(can be used for anything: drawings, models, vendor drawing and documentation, etc.)



Non-public system, available only to Autodesk seats


New
Open
Projects
Open Samples
Launch
Help
Home
Team Web
Tutorials
Learning Path
Back
Help
File Edit View History Bookmarks Tools Help
Autodesk Vault Professional 2017
File Edit View Go Tools Actions Help
New
Report...
Plot...
Check In...
Find...
Share to Buzzsaw
Update from Buzzsaw
Add from Buzzsaw
Sync Now
Default View
Layout
New
DWG
Recent Documents
Reset Filter
Project
Active Project
All Recent Docs
File Types
All
Assemblies
Drawings
Parts
Presentations
Sort By
Recently Opened
Date Modified
Name
Location
Size
Date Modified
All Dates
Last Day
Last Week
Last Month
Last 6 Months
Last Year
Vault Status
All Statuses
Home
Design Data
Draft
archive
1000
3000
4000
5000
6000
7000
7200 CBETA
7200-000 General Building-Utilities
7200-001 DLN Floorplan
7200-010 Volume Claims, Floor Plans
7200-100 CBETA
7200-200 Injector, ICM, A1-A4, Diag, MLC
7200-300 Splitter-Combiners
7200-400 Populated Girders (BNL)
preliminary layout components
7204-000 RF Systems
7205-000 Cryogenic Systems
7206-000 Vac Sys
7207-000 Magnets
7208-000 Beam Diagnostics
7209-000 Controls
7211-000 Support-Alignment Structs
7212-000 Laser Sys
7100 ERL
8000
9000
Graphics Models
CHESS Library
Imported Components
iParts
Purchased Components Library
SWH Library
To Be Deleted
Unistrut
VM Library
YL Library
Inventor Mech Parts
Library
Material Properties
Templates
X-Ray Beam Simulation
My Search Folders
My Shortcuts
VM Library
7101-000 Electron Source
7104-000 RF Systems
7107-000 Magnets
Add new group
Home
Project Explorer
29 Object(s) (1 selected)
7200-400 Populated Girders (B
Name
Folder
7200-401 Populated Girder 01
7200-402 Populated Girder 02
7200-403 Populated Girder 03
7200-404 Populated Girder 04
7200-405 Populated Girder 05
7200-406 Populated Girder 06
7200-407 Populated Girder 07
7200-408 Populated Girder 08
7200-409 Populated Girder 09
7200-410 Populated Girder 10
7200-411 Populated Girder 11
7200-412 Populated Girder 12
File
7200-400 Orbits, FFAG.ipt
7200-400.iam
7200-413.iam
7200-414.iam
7200-415.iam
History
Uses
Where Used
Preview
Number of versions: 18
Number of revisions: 1
Thumbnail
File Name
7200-400.iam
For Help, press F1

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