

The purpose of this exercise is to export the ladder bill of material to be uploaded to the Waltek Employee Portal in a fabpack. The information is used to create the Ladder BOM Checklists and Ladder Checklists.

In AutoCAD, open any drawing. In the command line, type "DATAEXTRACTION", then press "Enter". In the "Begin (Page 1 of 8)" window, choose "Create a new data extraction" and Select "Use previous extraction as a template" then Click on the box with three dots and locate the following file;

You will be asked where you want to save the new extraction File. Do not save this on the server, it will not be used later and can be deleted after the extraction is complete. DO NOT USE "Edit an existing data extraction" Option.

BILL OF MATERIALS			
TAG	DESCRIPTION	TOTAL ONE	TOTAL ALL
XHGS-101A	HORIZONTAL GLASS STOP	1	1
XHGS-102A	HORIZONTAL GLASS STOP	1	1
XHGS-103A	HORIZONTAL GLASS STOP	1	1
XBM-101	BRAKE METAL	2	2
XGA-101A	GALVANIZED ANGLE	2	2
XGA-102	GALVANIZED ANGLE	2	2
XHF-101A	HORIZONTAL FILLER	1	1
XHM-101A	HORIZONTAL MULLION	1	1
XHM-102A	HORIZONTAL MULLION	1	1
XHM-103A	HORIZONTAL MULLION	1	1

Dot Is a place holder to make sure there are no blank Ladder BOM Blocks

Field is linked to a Txt object in Model space to prevent errors, to create/Edit links run CHSPACE on LadderBOM table to move to Model Space

Total is calculated by taking the Ladder Qty from the "Ladder Title" Block and multiplying by the Total One Attribute

E-XXX FRAME LADDER  
(P) REQUIRED TOTAL  
(1) REQ'D ELEVATION 101

Data Extraction - Begin (Page 1 of 8)

The wizard extracts object data from drawings that can be exported to a table or to an external file.

Select whether to create a new data extraction, use previously saved settings from a template, or edit an existing extraction.

☒ Create a new data extraction

☒ Use previous extraction as a template (.dxe or .blk)

...

☐ Edit an existing data extraction

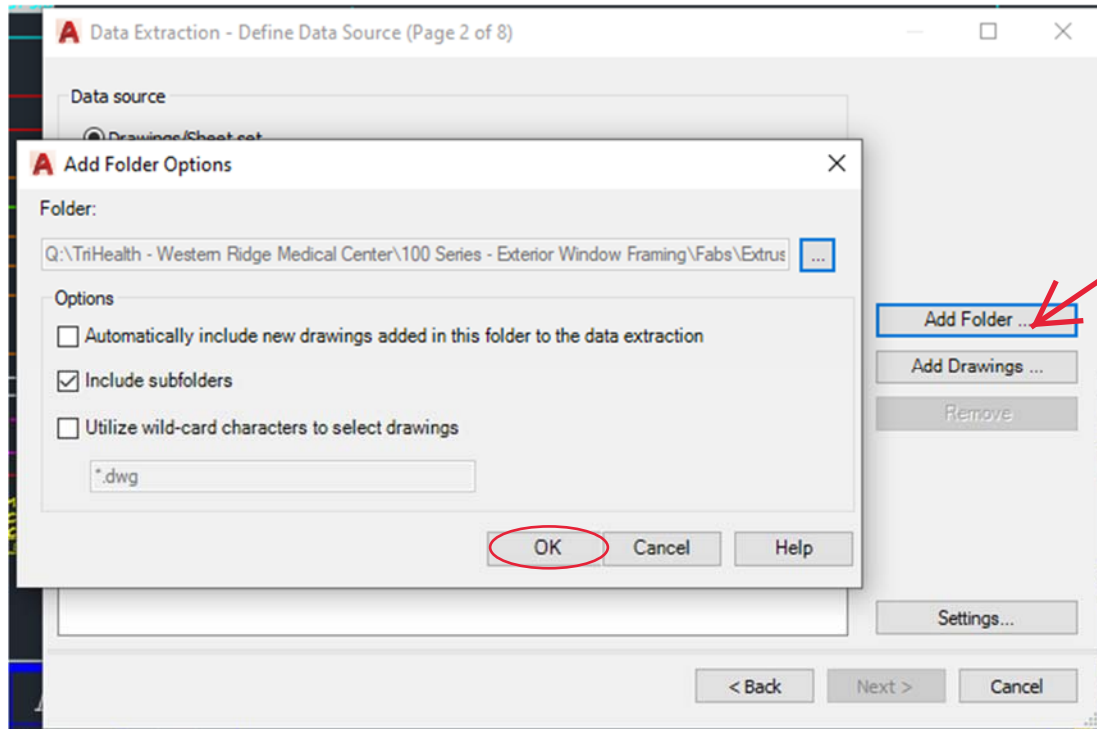
...

Q:\CADSUPPT\Process Instructions\Ladder Extraction\LadderBOM.dxe

Next > Cancel

Select "Add Folder"

Select the Fab folder of the series you are trying to extract and click "OK"

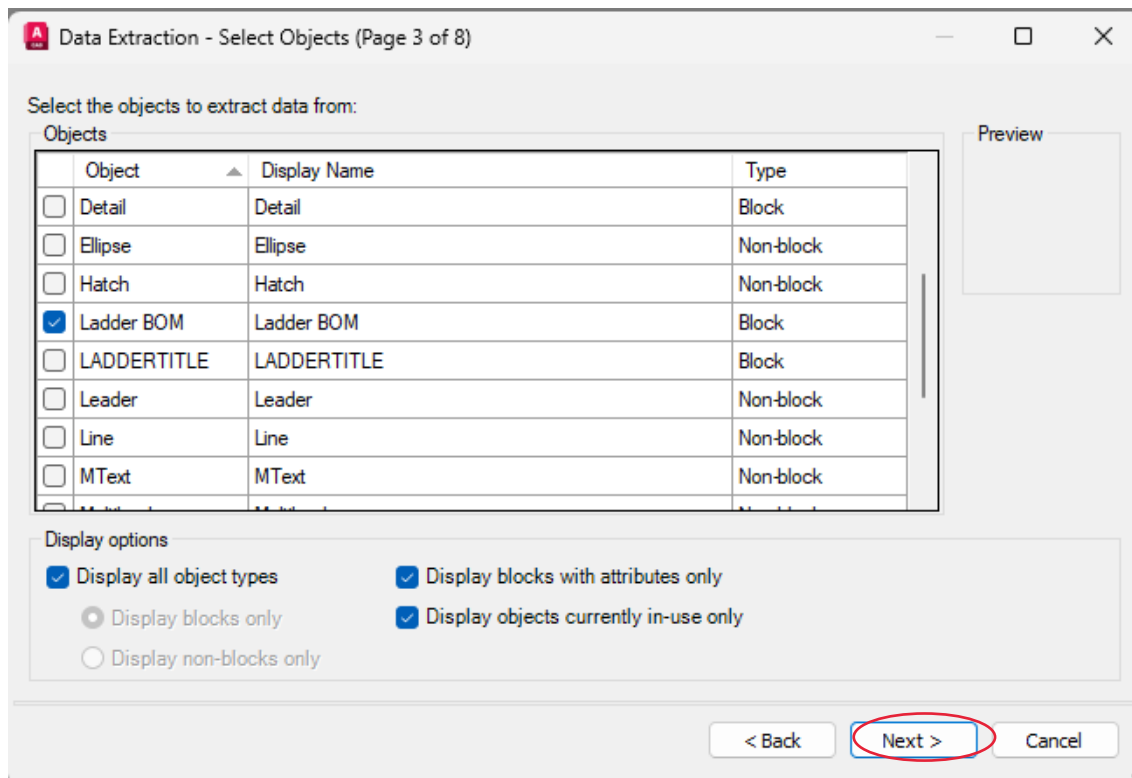


Click "Next"

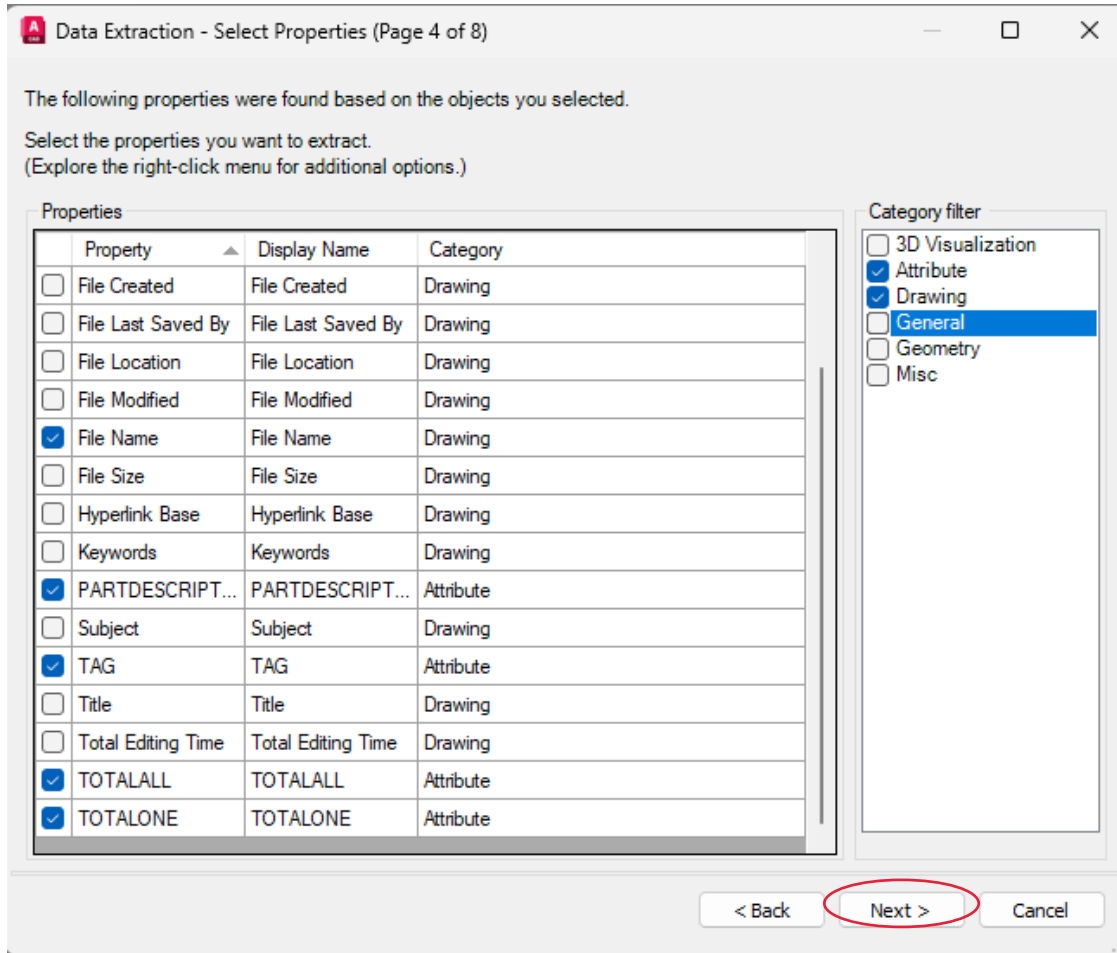
Extraction will now scan all drawings in selected folder and subfolders.

It is possible that you will get a "Drawing Unit Mismatch" message, if so select "Yes".

When the "Select Objects (Page 3 of 8)" window appears, select "Next".



When the “Select Properties (Page 4 of 8)” window appears, select "Next", **DO NOT ADJUST THESE SETTINGS**



The following properties were found based on the objects you selected.

Select the properties you want to extract.  
(Explore the right-click menu for additional options.)

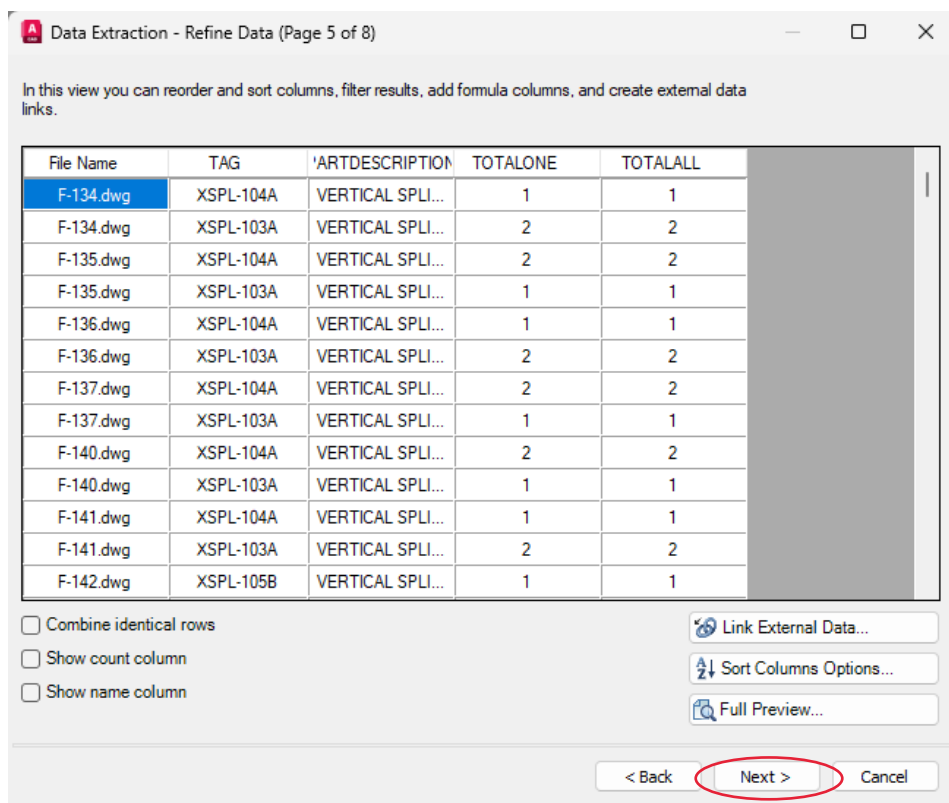
Property	Display Name	Category
<input type="checkbox"/> File Created	File Created	Drawing
<input type="checkbox"/> File Last Saved By	File Last Saved By	Drawing
<input type="checkbox"/> File Location	File Location	Drawing
<input type="checkbox"/> File Modified	File Modified	Drawing
<input checked="" type="checkbox"/> File Name	File Name	Drawing
<input type="checkbox"/> File Size	File Size	Drawing
<input type="checkbox"/> Hyperlink Base	Hyperlink Base	Drawing
<input type="checkbox"/> Keywords	Keywords	Drawing
<input checked="" type="checkbox"/> PARTDESCRIPT...	PARTDESCRIPT...	Attribute
<input type="checkbox"/> Subject	Subject	Drawing
<input checked="" type="checkbox"/> TAG	TAG	Attribute
<input type="checkbox"/> Title	Title	Drawing
<input type="checkbox"/> Total Editing Time	Total Editing Time	Drawing
<input checked="" type="checkbox"/> TOTALALL	TOTALALL	Attribute
<input checked="" type="checkbox"/> TOTALONE	TOTALONE	Attribute

Category filter

- ☐ 3D Visualization
- ☒ Attribute
- ☒ Drawing
- ☐ General
- ☐ Geometry
- ☐ Misc

< Back **Next >** Cancel

After extraction completes, you will go to a “Refine Data (Page 5 of 8)” window, select "Next".



In this view you can reorder and sort columns, filter results, add formula columns, and create external data links.

File Name	TAG	PARTDESCRIPTION	TOTALONE	TOTALALL
F-134.dwg	XSPL-104A	VERTICAL SPLI...	1	1
F-134.dwg	XSPL-103A	VERTICAL SPLI...	2	2
F-135.dwg	XSPL-104A	VERTICAL SPLI...	2	2
F-135.dwg	XSPL-103A	VERTICAL SPLI...	1	1
F-136.dwg	XSPL-104A	VERTICAL SPLI...	1	1
F-136.dwg	XSPL-103A	VERTICAL SPLI...	2	2
F-137.dwg	XSPL-104A	VERTICAL SPLI...	2	2
F-137.dwg	XSPL-103A	VERTICAL SPLI...	1	1
F-140.dwg	XSPL-104A	VERTICAL SPLI...	2	2
F-140.dwg	XSPL-103A	VERTICAL SPLI...	1	1
F-141.dwg	XSPL-104A	VERTICAL SPLI...	1	1
F-141.dwg	XSPL-103A	VERTICAL SPLI...	2	2
F-142.dwg	XSPL-105B	VERTICAL SPLI...	1	1

☐ Combine identical rows

☐ Show count column

☐ Show name column

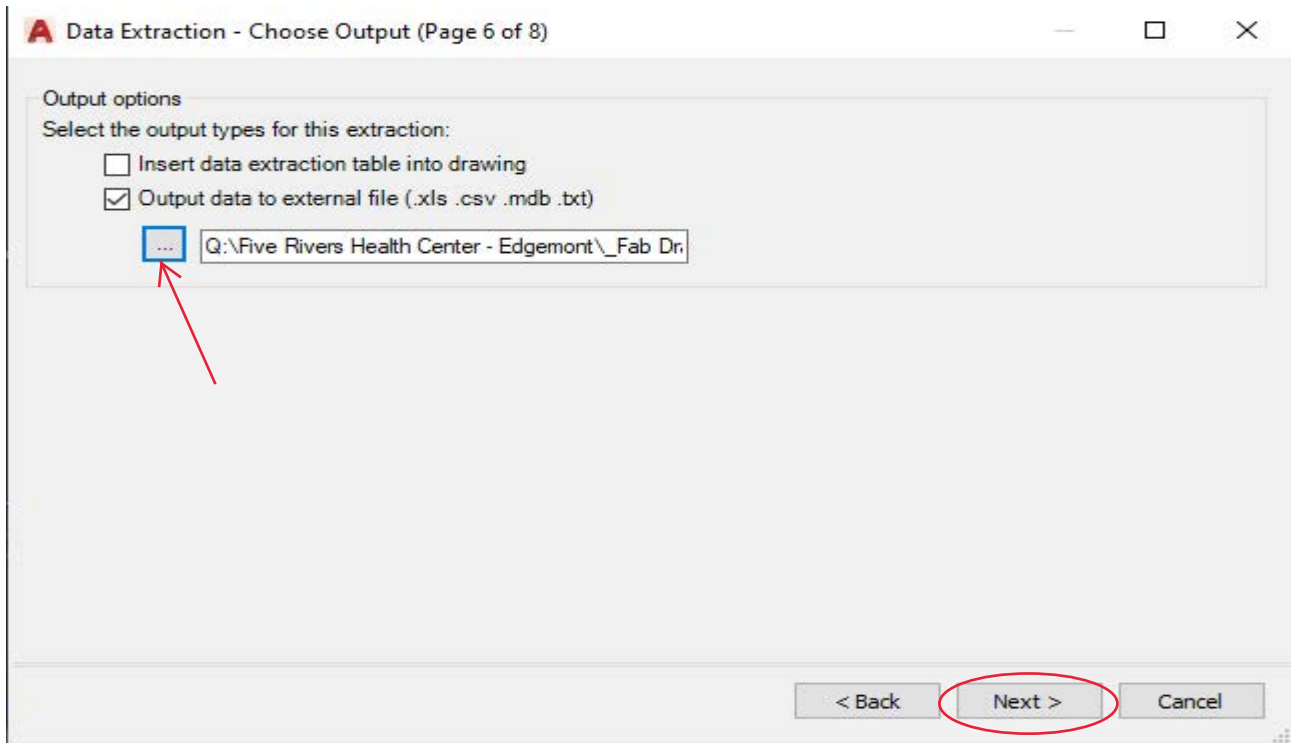
Link External Data...

Sort Columns Options...

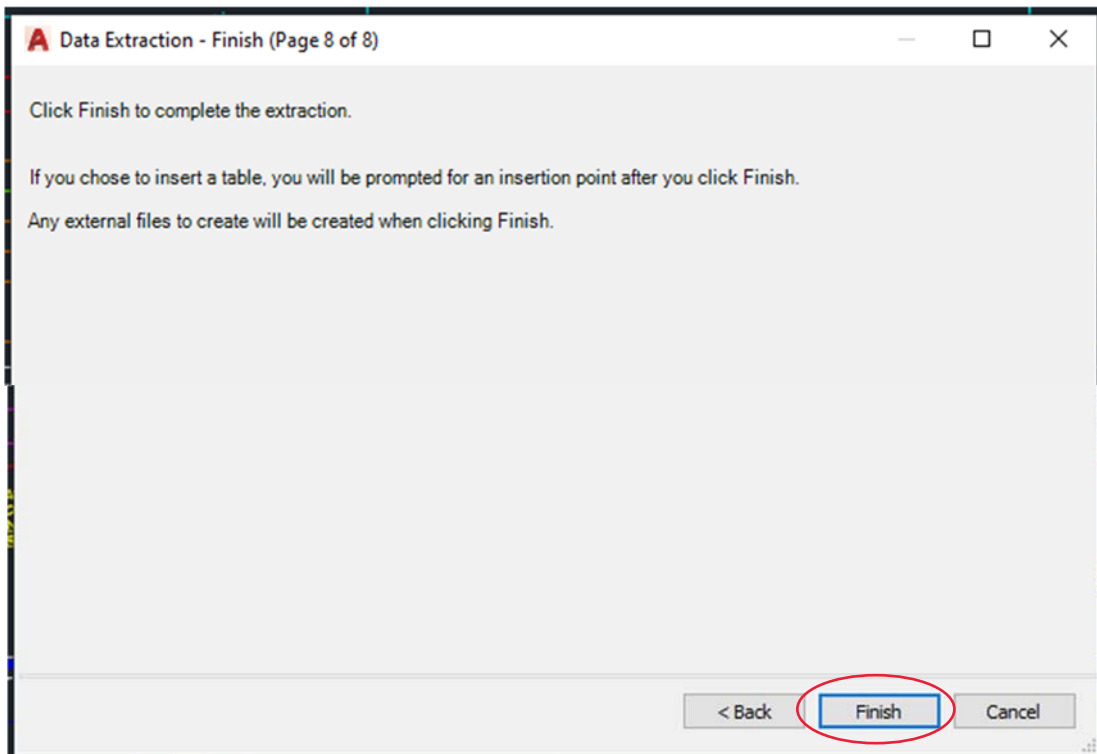
Full Preview...

< Back **Next >** Cancel

In the "Choose Output (Page 6 of 8)" window, select the name eg. ("100 Series Ladder BOM.xls") and save location in the "\_Fab Release" folder in the "Q" Drive for the associated job. Make sure to save the file as a ".xls" file. (Note: The file does not need to already exist, if so you will overwrite the existing file). Then click "Next"



Finally, in the "Finish (Page 8 of 8)" window, select "Finish".



See other Extraction processes through the links below:

- Check Extraction
- Fab Data Extraction