



AutoCAD Level 2

Session 05

AGENDA

- **Creating Schedules**
 - **In AutoCAD**
 - **From Excel**
 - **Data extraction**


Creating Schedules

- There are many different types of schedules that are used in drawings. The more common ones are: door and window schedules or a Bill of Materials as shown below

| DOOR AND WINDOW SCHEDULE | | | | | | | |
|--------------------------|--------|-----------|--------------|---------|-----------|------|--------|
| Count | Name | HEIGHT | MANUFACTURER | REF# | STYLE | SYM. | WIDTH |
| 1 | Window | 4'-0 1/2" | ANDERSEN | W24 | CASEMENT | 7 | 4'-9" |
| 2 | Window | 4'-5 1/2" | ANDERSEN | DHP1041 | TILT-WASH | 5 | 1'-0" |
| 2 | Window | 4'-0 1/2" | ANDERSEN | TW28310 | CASEMENT | 1 | 2'-10" |
| 5 | Window | 4'-0 1/2" | ANDERSEN | C34 | CASEMENT | 3 | 6'-0" |
| 9 | Window | 4'-0 1/2" | ANDERSEN | CN14 | CASEMENT | 2 | 1'-9" |
| 2 | Door | 6'-8" | TRU STYLE | TS 3010 | TWO PANEL | 1 | 3' |
| 2 | Door | 6'-8" | TRU STYLE | TS 3010 | TWO PANEL | 2 | 3' |

| Item # | Description | Vendor | Part Number | Quantity |
|--------|------------------------------|----------|-------------|----------|
| 1 | FGHT sun model | MNF | GHY253 | 7 |
| 2 | 120 w photovoltaic module | Food FG | 2543-I | 14 |
| 3 | Hardware | Mottle | 1452-UKJ | 2 |
| 4 | 4-module for GHN | IFS | 256BN | 1 |
| 5 | 822 air G | Mood plc | 947673 IOL | 4 |
| 6 | SMA Model Sunny Boy Inverter | MNF | 8 GH | 2 |
| 7 | 9B, 700 GHT | IFS | f58 | 1 |
| 8 | Fused Disconnect Switch | Food FG | 56e | 1 |

Table in AutoCad

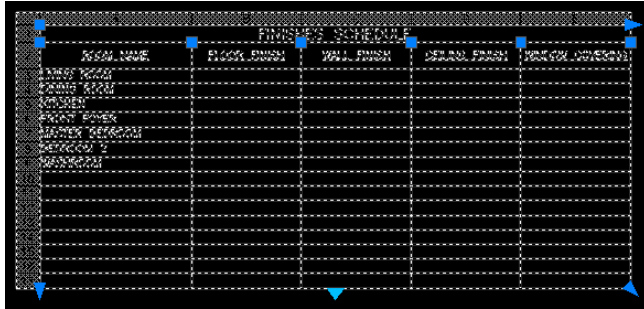


The screenshot displays the AutoCAD software interface, specifically the ribbon menu. The 'Annotate' tab is selected and highlighted with a red rectangle. Within the 'Annotate' tab, the 'Table' tool is also highlighted with a red rectangle. The 'Table' tool is represented by a grid icon and the word 'Table' below it. Other tools visible in the 'Annotate' tab include 'Text', 'Dimensions', 'Multileader', and 'Leaders'. The 'Table' tool is located in the 'Tables' panel of the ribbon.

[illegible]

Edit Table

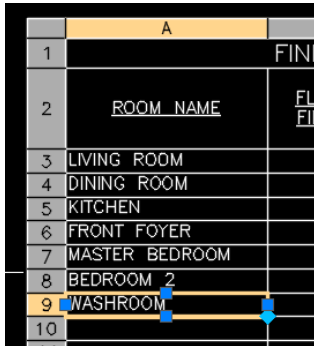
- You can edit the format of an existing table by dragging the grip features.
(Blue squares, blue arrows)



| ROOM NAME | FLOOR FINISH | WALL FINISH | CEILING FINISH | WINDOW COVERING |
|----------------|--------------|-------------|----------------|-----------------|
| LIVING ROOM | | | | |
| DINING ROOM | | | | |
| KITCHEN | | | | |
| FRONT FOYER | | | | |
| MASTER BEDROOM | | | | |
| BEDROOM 2 | | | | |
| WASHROOM | | | | |

| ROOM NAME | FLOOR FINISH | WALL FINISH | CEILING FINISH | WINDOW COVERING |
|----------------|--------------|-------------|----------------|-----------------|
| LIVING ROOM | | | | |
| DINING ROOM | | | | |
| KITCHEN | | | | |
| FRONT FOYER | | | | |
| MASTER BEDROOM | | | | |
| BEDROOM 2 | | | | |
| WASHROOM | | | | |

- You can also use the grips for each individual cell.

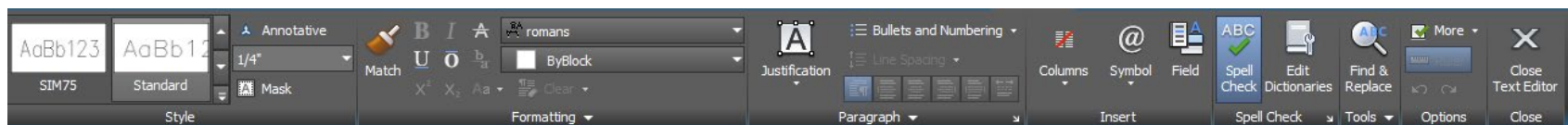


| | A | |
|----|----------------|-----------|
| 1 | | FINI |
| 2 | ROOM NAME | FL FIN |
| 3 | LIVING ROOM | |
| 4 | DINING ROOM | |
| 5 | KITCHEN | |
| 6 | FRONT FOYER | |
| 7 | MASTER BEDROOM | |
| 8 | BEDROOM 2 | |
| 9 | WASHROOM | |
| 10 | | |

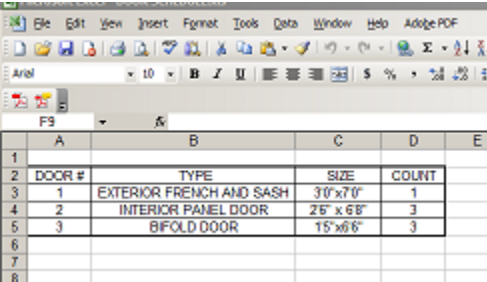


| | FINI |
|----------------|------|
| ROOM NAME | |
| LIVING ROOM | |
| DINING ROOM | |
| KITCHEN | |
| FRONT FOYER | |
| MASTER BEDROOM | |
| BEDROOM 2 | |
| WASHROOM | |

- By Double clicking onto a cell, the text editor ribbon appears. You are then able to edit the text itself along with the text style and format.

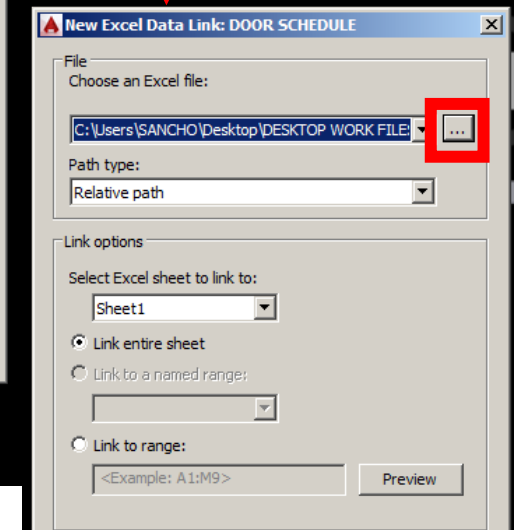
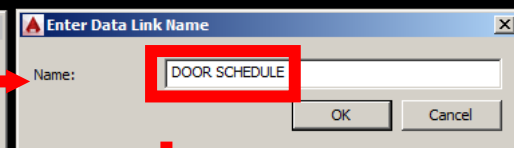
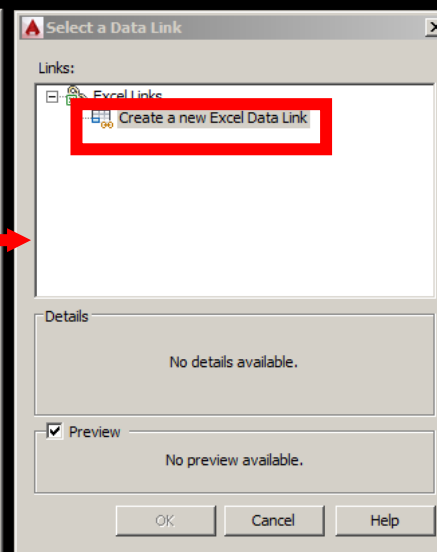
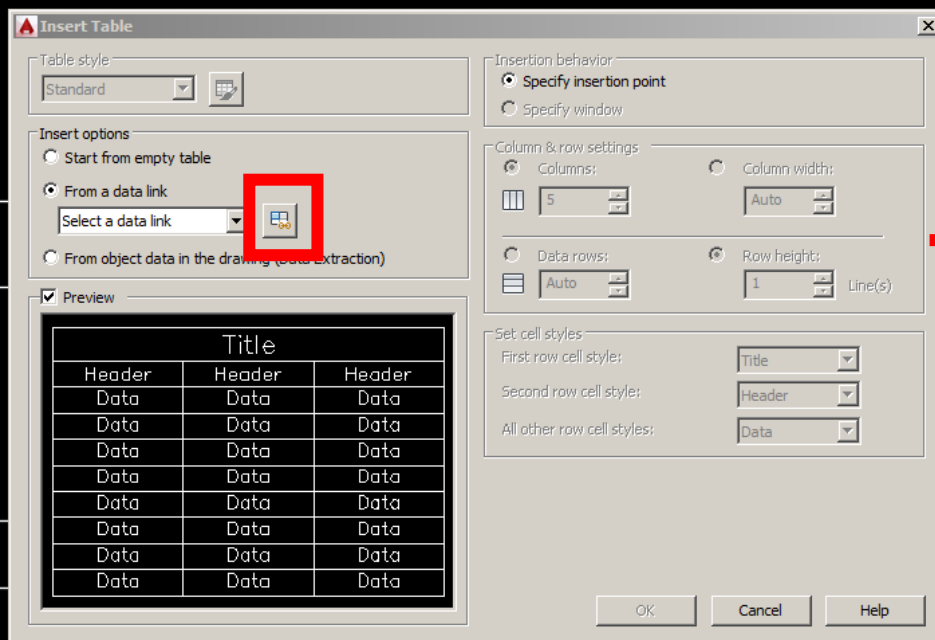
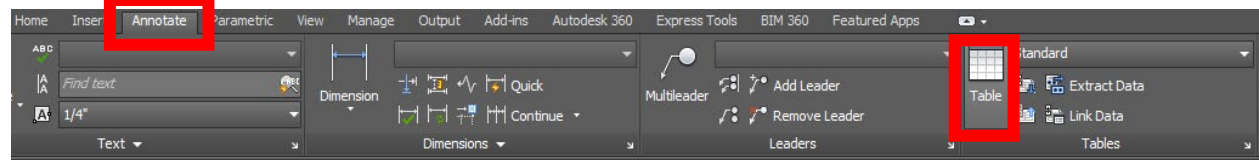


Excel file table



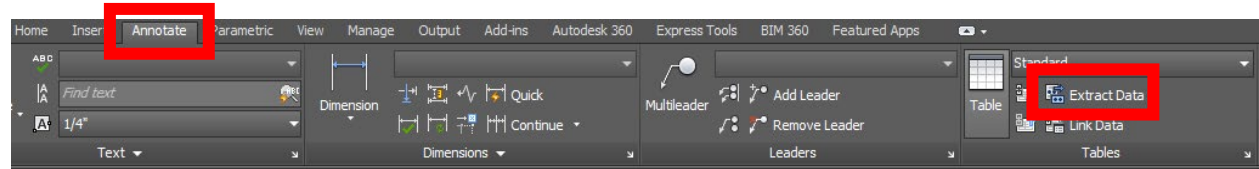
| DOOR # | TYPE | SIZE | COUNT |
|--------|--------------------------|-------------|-------|
| 1 | EXTERIOR FRENCH AND SASH | 3'0"x7'0" | 1 |
| 2 | INTERIOR PANEL DOOR | 2'6" x 6'8" | 3 |
| 3 | BIFOLD DOOR | 1'5"x6'6" | 3 |

- You can use an existing excel file to create a schedule.
- A link to the excel file is created so if you change the excel file info, the table in autocad will change.



| DOOR # | TYPE | SIZE | COUNT |
|--------|--------------------------|-------------|-------|
| 1 | EXTERIOR FRENCH AND SASH | 3'0"x7'0" | 1 |
| 2 | INTERIOR PANEL DOOR | 2'6" x 6'8" | 3 |
| 3 | BIFOLD DOOR | 1'5"x6'6" | 3 |

Table from Extracted Data



- Open file “residential home with attributes”
- By using blocks with attributes (door and window tags), a schedule can be created by extracting data from the inserted blocks.
- Below shows the window and door blocks along with the attributes that have been added to each such as width, height, ect. These attributes were set as invisible and will be used as the headers of the table.

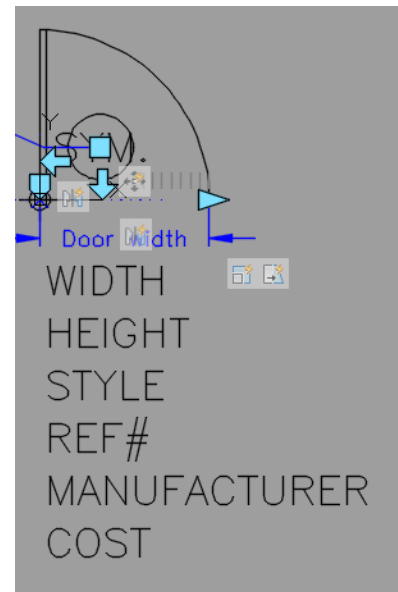
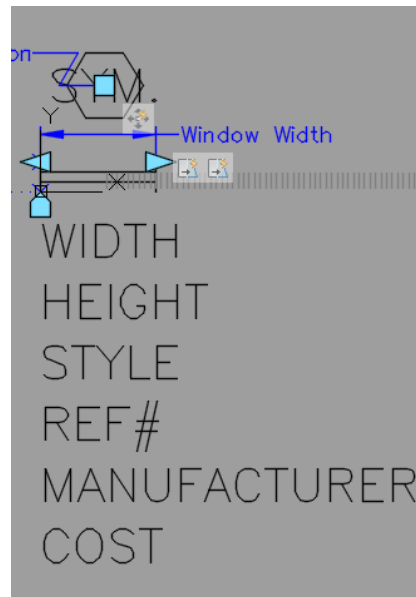
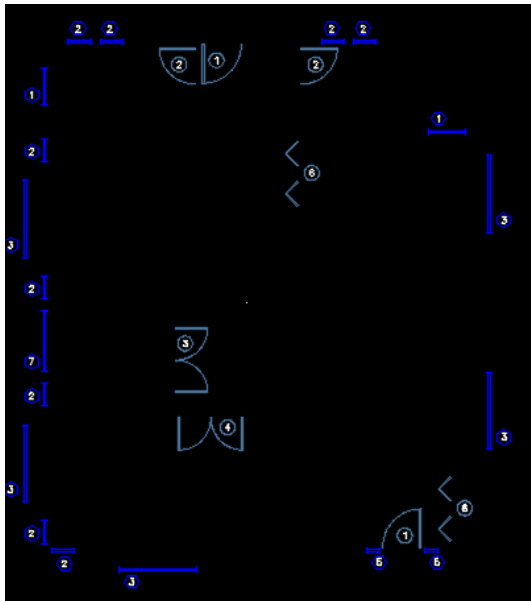
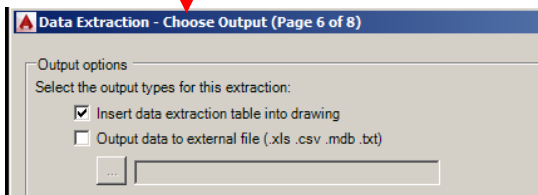
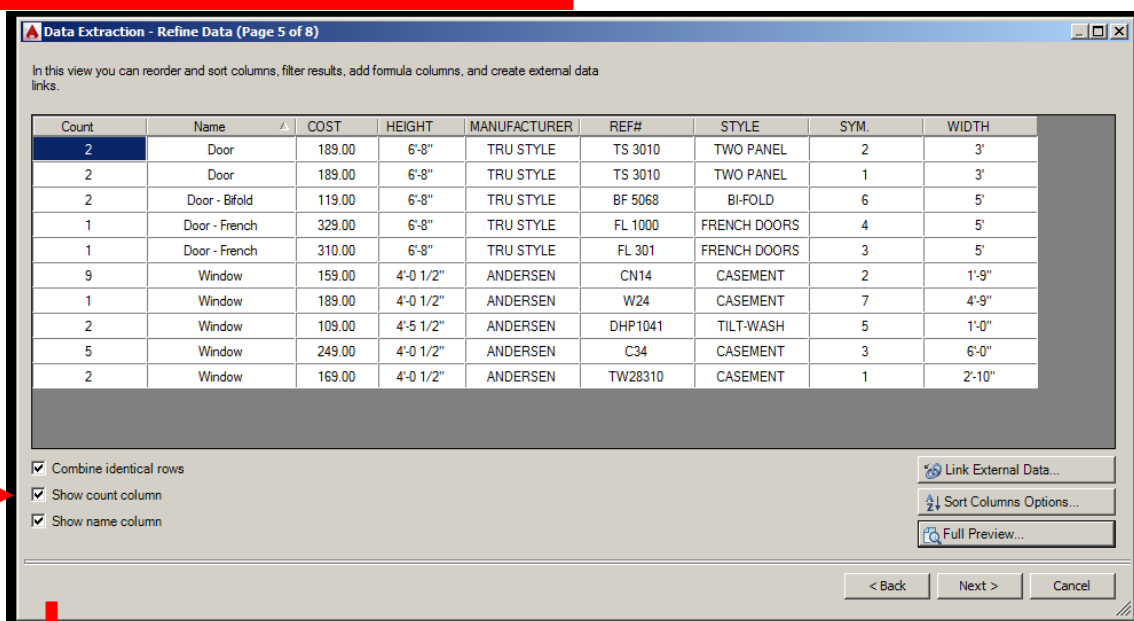
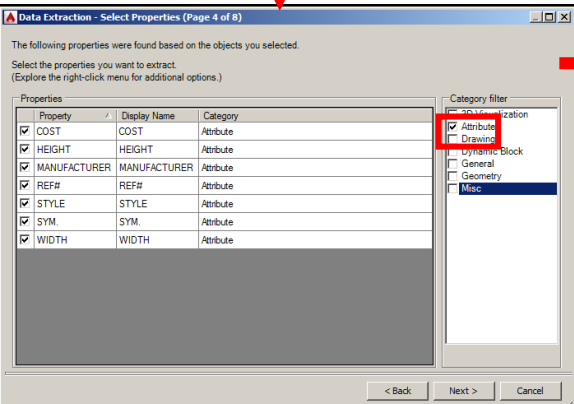
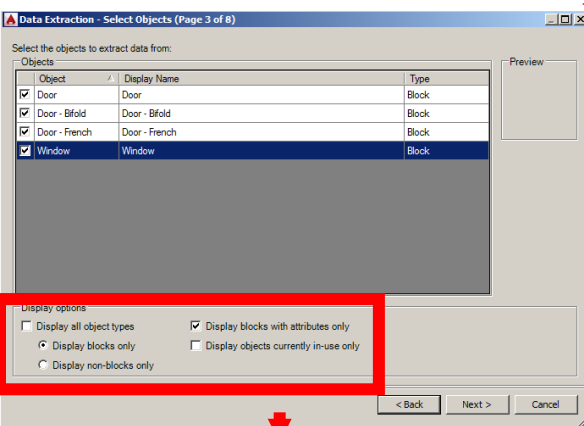
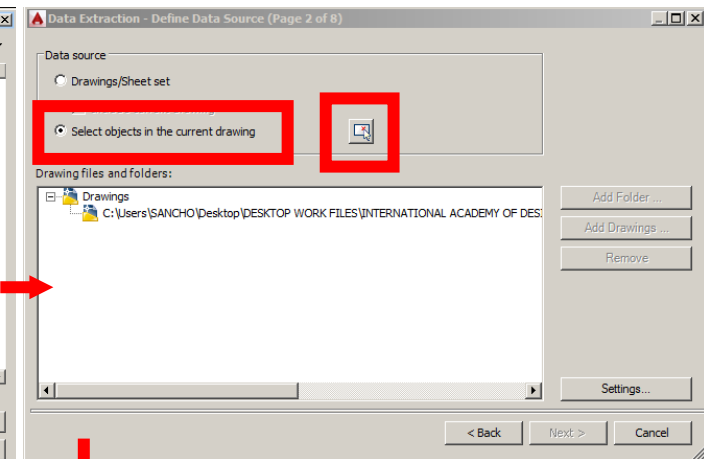
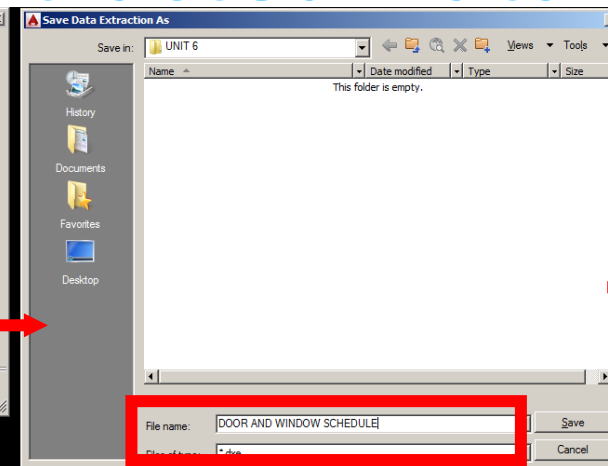
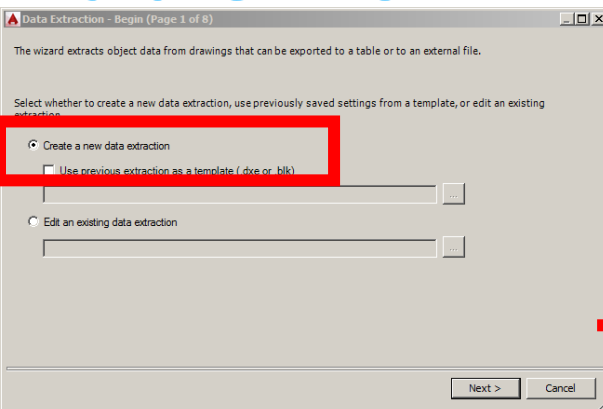


Table from Extracted Data



| DOOR AND WINDOW SCHEDULE | | | | | | | | |
|--------------------------|---------------|--------|-----------|--------------|---------|--------------|------|--------|
| Count | Name | COST | HEIGHT | MANUFACTURER | REF# | STYLE | SYM. | WIDTH |
| 2 | Door | 189.00 | 6'-8" | TRU STYLE | TS 3010 | TWO PANEL | 2 | 3' |
| 2 | Door | 189.00 | 6'-8" | TRU STYLE | TS 3010 | TWO PANEL | 1 | 3' |
| 2 | Door - Bifold | 119.00 | 6'-8" | TRU STYLE | BF 5068 | BI-FOLD | 6 | 5' |
| 1 | Door - French | 329.00 | 6'-8" | TRU STYLE | FL 1000 | FRENCH DOORS | 4 | 5' |
| 1 | Door - French | 310.00 | 6'-8" | TRU STYLE | FL 301 | FRENCH DOORS | 3 | 5' |
| 9 | Window | 159.00 | 4'-0 1/2" | ANDERSEN | CN14 | CASEMENT | 2 | 1'-9" |
| 1 | Window | 189.00 | 4'-0 1/2" | ANDERSEN | W24 | CASEMENT | 7 | 4'-9" |
| 2 | Window | 109.00 | 4'-5 1/2" | ANDERSEN | DHP1041 | TILT-WASH | 5 | 1'-0" |
| 5 | Window | 249.00 | 4'-0 1/2" | ANDERSEN | C34 | CASEMENT | 3 | 6'-0" |
| 2 | Window | 169.00 | 4'-0 1/2" | ANDERSEN | TW28310 | CASEMENT | 1 | 2'-10" |