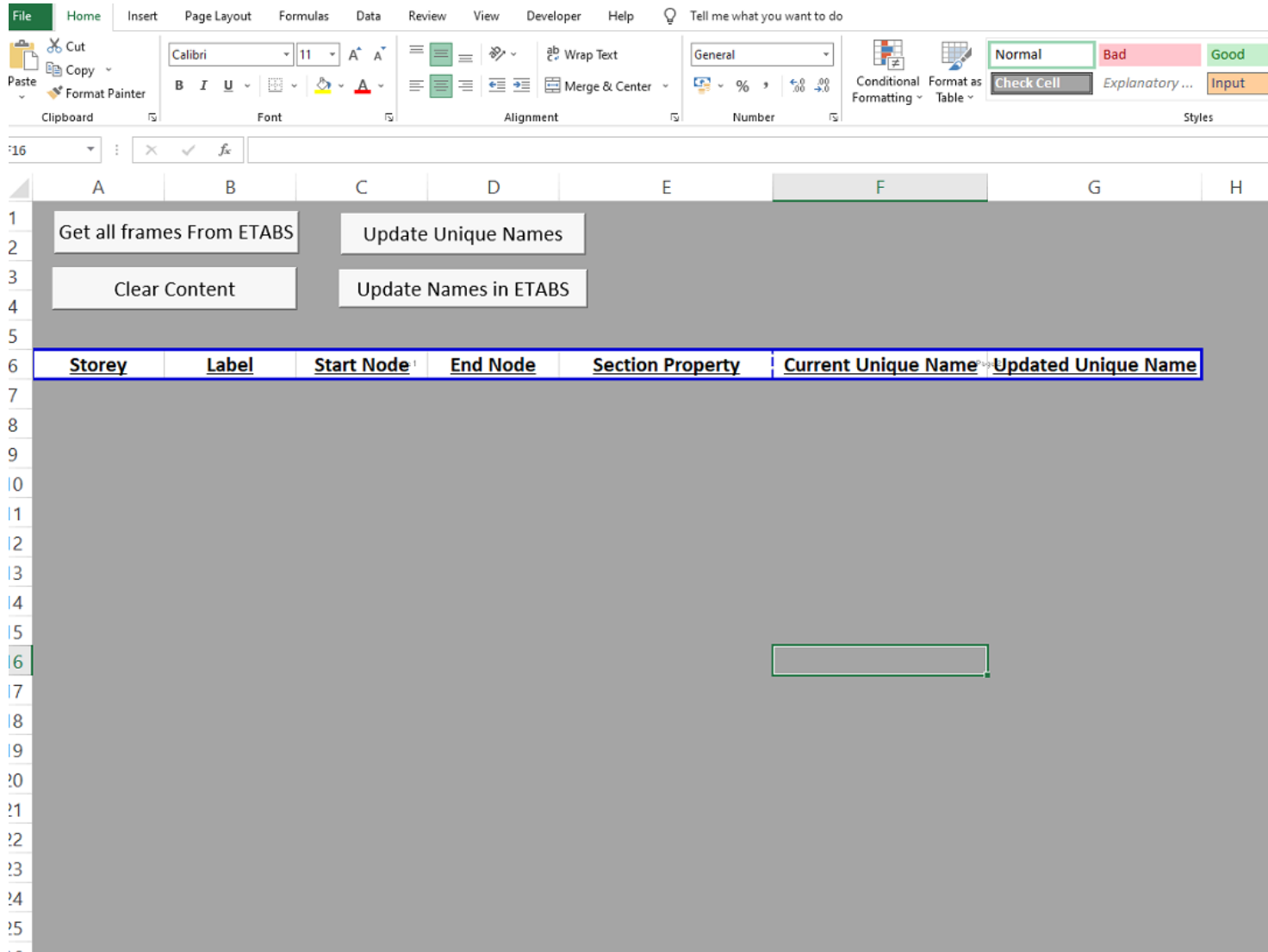




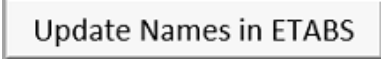
Automating Frame Names in ETABS

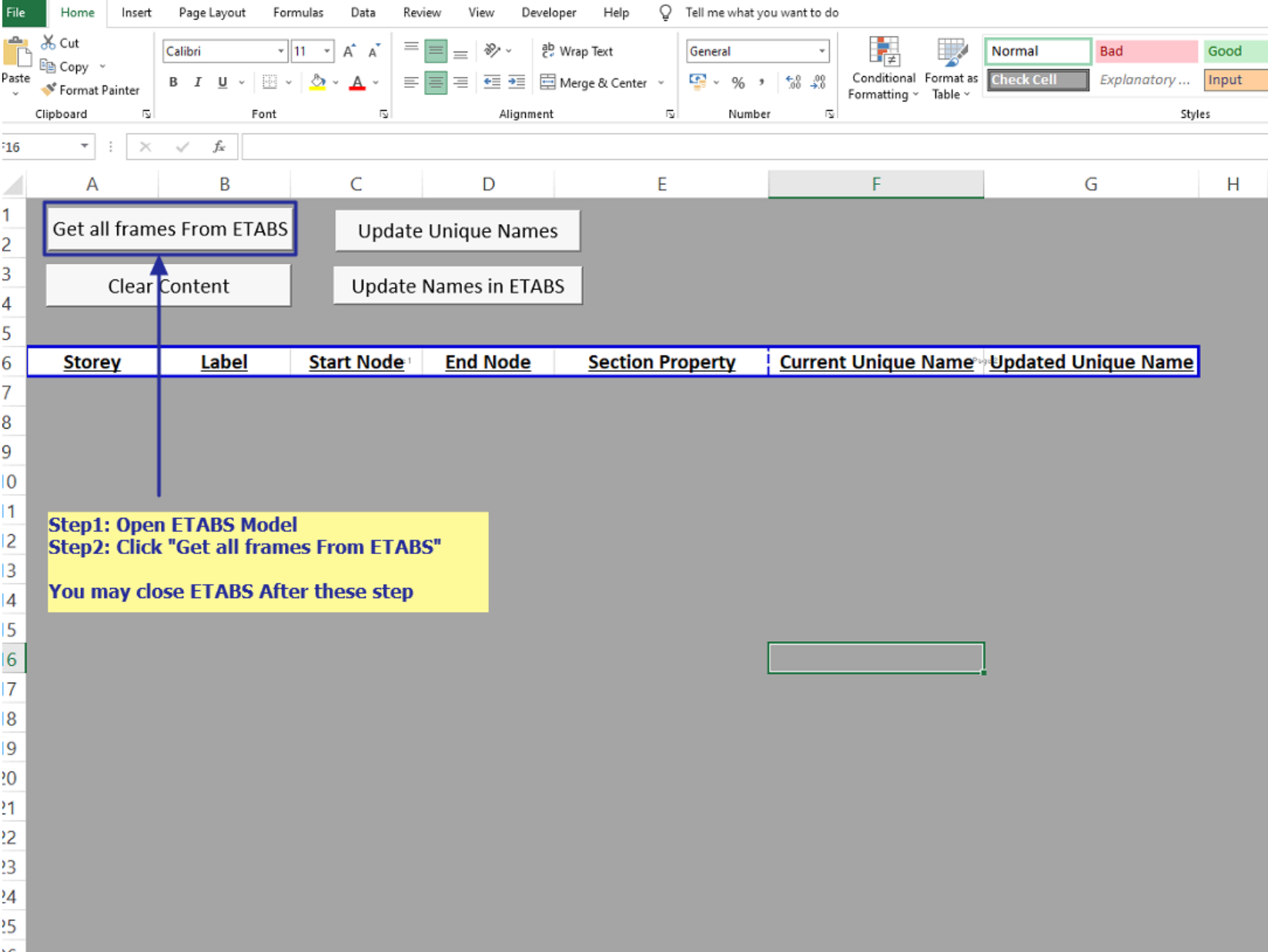
Presented by: Vishwa Swami

Date: 27-07-2023



Imp Points

- While using  button, ETABS model should not be locked.
- All Frame names should be Unique.
- Single instance of ETABS should be opened while using  and  buttons.
- Don't change Frame Sequence.



After clicking "Get all frames from ETABS", separate sheets of stories is created and Beams are Sorted according to the Story

Microsoft Excel

Data has been separated and stored into individual sheets for each story.

Click "OK"

OK

"AllFrames" sheet populate with whole data

Story	Label	Start Node	End Node	Section Property	Current Unique Name	Updated Unique Name
Story3	B1	13	14	S1	B9	
Story3	B2	15	16	S1	B10	
Story3	B3	15	13	S2	B11	
Story3	B4	16	14	S2	B12	

Story	Label	Start Node	End Node	Section Property	Current Unique Name	Updated Unique Name
Story1	B1	2	1	BM_500x800	B1	
Story1	B2	8	6	BM_500x800	B2	
Story1	B3	8	2	BM_500x800	B3	
Story1	B4	6	4	BM_500x800	B4	
Story2	B1	9	10	BM_500x800	B5	
Story2	B2	11	12	BM_500x800	B6	
Story2	B3	11	9	BM_500x800	B7	
Story2	B4	12	10	BM_500x800	B8	
Story3	B1	13	14	S1	B9	
Story3	B2	15	16	S1	B10	
Story3	B3	15	13	S2	B11	
Story3	B4	16	14	S2	B12	

Ready Accessibility: Good to go

File

Home

Insert

Page Layout

Formulas

Data

Review

View

Developer

Help

Tell me what you want to do

Cut

Copy

Paste

Format Painter

Clipboard

Calibri

11

A

B

I

U

Font

Wrap Text

Alignment

General

%

Number

Normal

Bad

Good

Neutral

Calculation

Check Cell

Explanatory...

Input

Linked Cell

Note

Styles

Cells

AutoSum

Fill

Clear

Sort & Filter

Find & Select

Editing

G3

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	Story	Label	Start Node	End Node	Section Property	Current Unique Name	Updated Unique Name																			
2	Story1	B1		2	4 BM_500x800	B1	1HB1																			
3	Story1	B2		8	6 BM_500x800	B2	1HB2																			
4	Story1	B3		8	2 BM_500x800	B3	1VB1																			
5	Story1	B4		6	4 BM_500x800	B4	1VB2																			
6																										
7																										
8																										

AllFramesStory1Story2Story3

G3

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	Story	Label	Start Node	End Node	Section Property	Current Unique Name	Updated Unique Name																			
2	Story2	B1		9	10 BM_500x800	B5	2HB1																			
3	Story2	B2		11	12 BM_500x800	B6	2HB2																			
4	Story2	B3		11	9 BM_500x800	B7	2VB1																			
5	Story2	B4		12	10 BM_500x800	B8	2VB2																			
6																										
7																										
8																										

AllFramesStory1Story2Story3

G3

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	Story	Label	Start Node	End Node	Section Property	Current Unique Name	Updated Unique Name																			
2	Story3	B1		13	14 S1	B9	3HB1																			
3	Story3	B2		15	16 S1	B10	3HB2																			
4	Story3	B3		15	13 S2	B11	3VB1																			
5	Story3	B4		16	14 S2	B12	3VB2																			
6																										
7																										
8																										

AllFramesStory1Story2Story3

Step3: Update "Updated Unique Name" column of each Story Sheet. Leave it blank if there is no change in unique name

ABCDEFGHIJKL

Get all frames From ETABS

Clear Content

Update Unique Names

Update Names in ETABS

Step4: Click "Update Unique Names" to update the "AllFrames" sheet.

Storey	Label	Start Node	End Node	Section Property	Current Unique Name	Updated Unique Name
Story1	B1	2	4	BM_500x800	B1	1HB1
Story1	B2	8	6	BM_500x800	B2	1HB2
Story1	B3	8	2	BM_500x800	B3	1VB1
Story1	B4	6	4	BM_500x800	B4	1VB2
Story2	B1	9	10	BM_500x800	B5	2HB1
Story2	B2	11	12	BM_500x800	B6	2HB2
Story2	B3	11	9	BM_500x800	B7	2VB1
Story2	B4	12	10	BM_500x800	B8	2VB2
Story3	B1	13	14	S1	B9	3HB1
Story3	B2	15	16	S1	B10	3HB2
Story3	B3	15	13	S2	B11	3VB1
Story3	B4	16	14	S2	B12	3VB2

AllFramesStory1Story2Story3+

Step5: Open ETABS Model again. Make sure you haven't changed model after you imported frames in this sheet. Make sure Model is not locked.

Step6: Click "Update Names in ETABS" to update all Unique names in ETABS.

Storey	Label	Start Node ¹	End Node	Section Property	Current Unique Name	Updated Unique Name
Story1	B1	2	4	BM_500x800	B1	1HB1
Story1	B2	8	6	BM_500x800	B2	1HB2
Story1	B3	8	2	BM_500x800	B3	1VB1
Story1	B4	6	4	BM_500x800	B4	1VB2
Story2	B1	9	10	BM_500x800	B5	2HB1
Story2	B2	11	12	BM_500x800	B6	2HB2
Story2	B3	11	9	BM_500x800	B7	2VB1
Story2	B4	12	10	BM_500x800	B8	2VB2
Story3	B1	13	14	S1	B9	3HB1
Story3	B2	15	16	S1	B10	3HB2
Story3	B3	15	13	S2	B11	3VB1
Story3	B4	16	14	S2	B12	3VB2

All Beams Unique names are updated

Download Excel from [here](#)

