

The logo for Neilsoft, with 'Neil' in blue and 'soft' in black, set against a white background within a light gray rectangular frame.

# Quality Analyst Submission Sheet Set's Quality Inspector.....

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## **Part 1 - Problem Statement & Solution**

- 1.1 Quality of work truly depends on visual representation of drawings on sheet.  
Even an silly error could negatively impact the company's reputation.
- 1.2 An software that can check all the pre determined parameter within secs.

## **Part 2 - Features :**

- 2.1 Text Scanning
- 2.2 Grids & View position
- 2.3 Levels, Tags, Keynote & Text Alignment
- 2.4 View's Sequence & Sheet's Count





# Problem Statement & Solution

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## PART 1



# Part 1 - Statement & Solution



Quality of work truly depends on visual representation of drawings on sheet. Even an silly error could negatively impact the company's reputation.

1.1

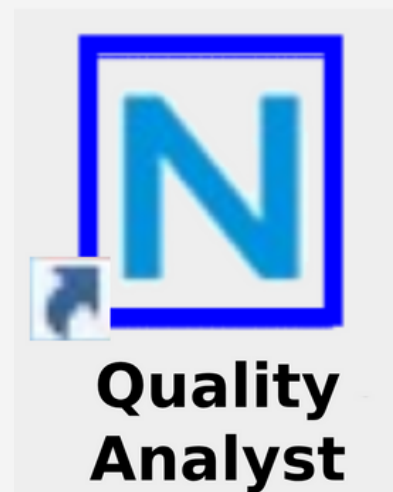
- Currently the process of checking the sheets is done manually by seniors, yet the checking that is done is totally Markup based.
- As manual checking is majorly markup based, the visual presentation aspect is rather disregarded.
- Visual quality of work gets effected by small errors as:
  - Overlapping of elements
  - Spelling mistakes
  - Drawing position on sheet
  - Alignment of tags
  - Incorrect numbering of views
- Proper representation creates visual balance which directly improves the quality of work delivered.



# Part 1 - Statement & Solution

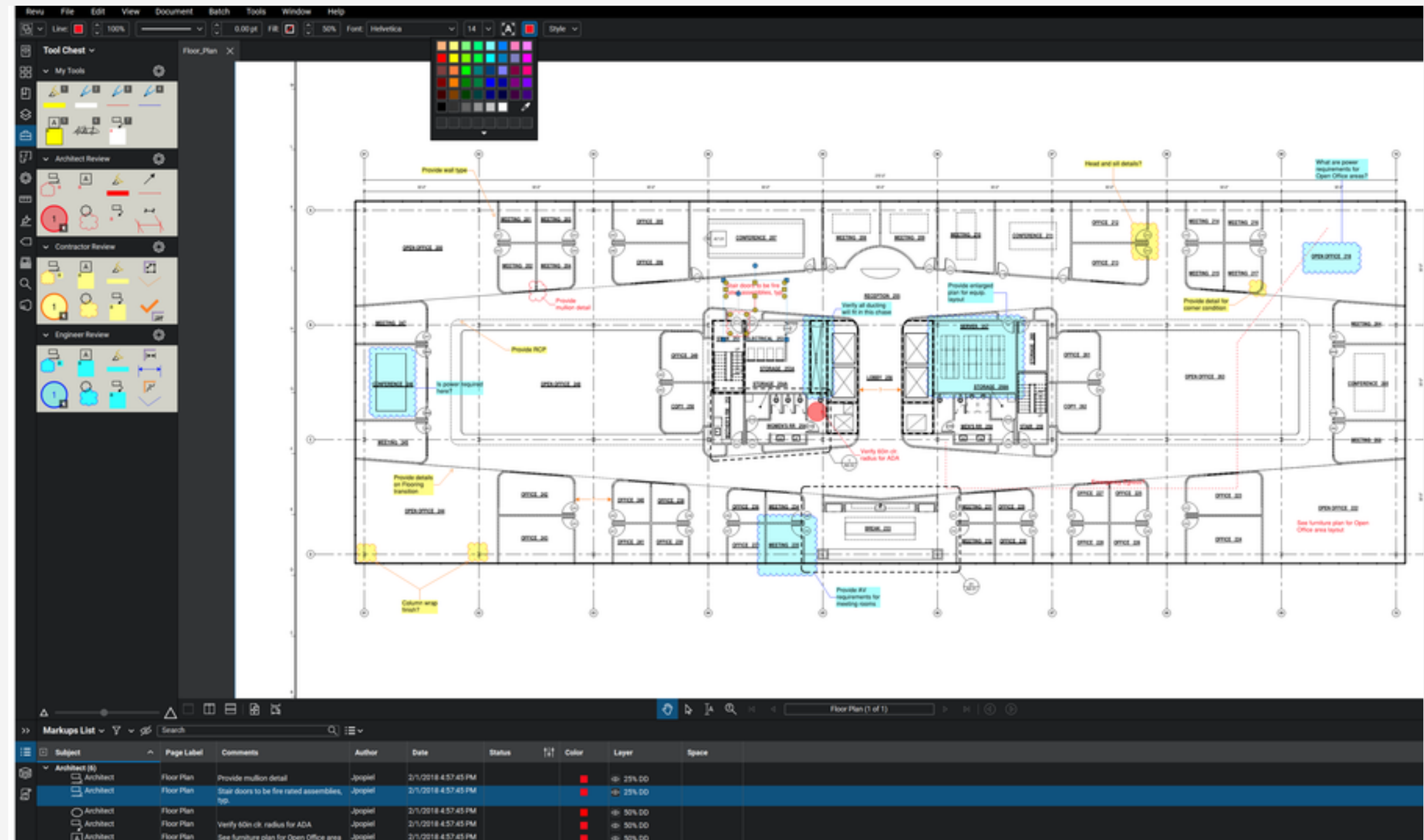


An software that can check all the pre determined parameter within secs.



1.2

- The PDF set must be inserted by the user into Quality Analyst application.
- Software will scan all the sheets according to the predetermined parameter.
- Software will color cloud the detected visual errors.
- UI will be kind of same as Bluebeam.





# Features

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## PART 2



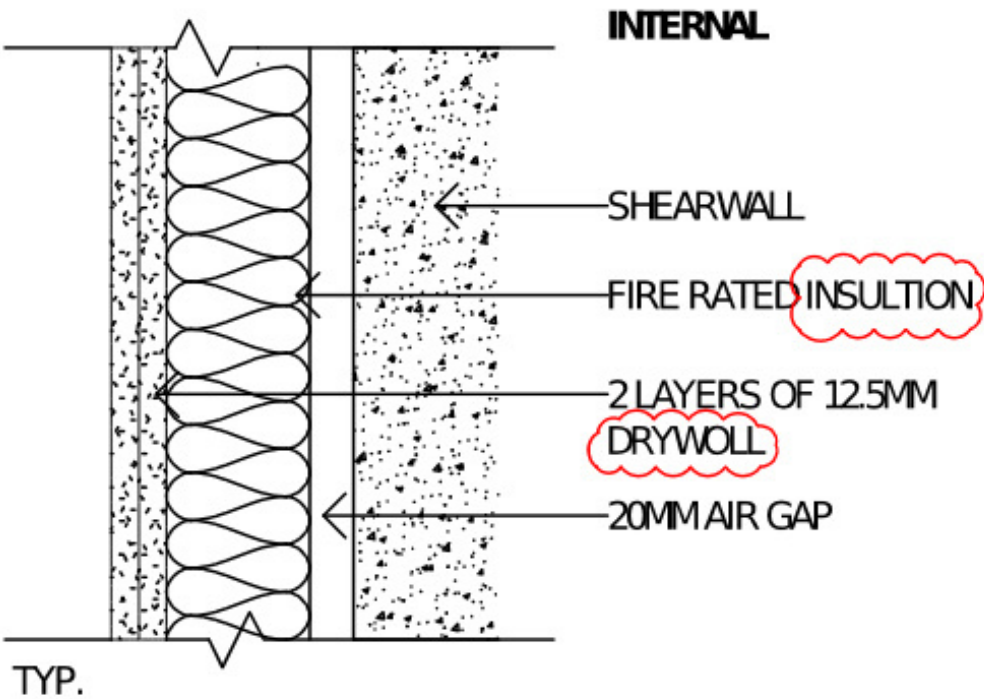
# Software Features



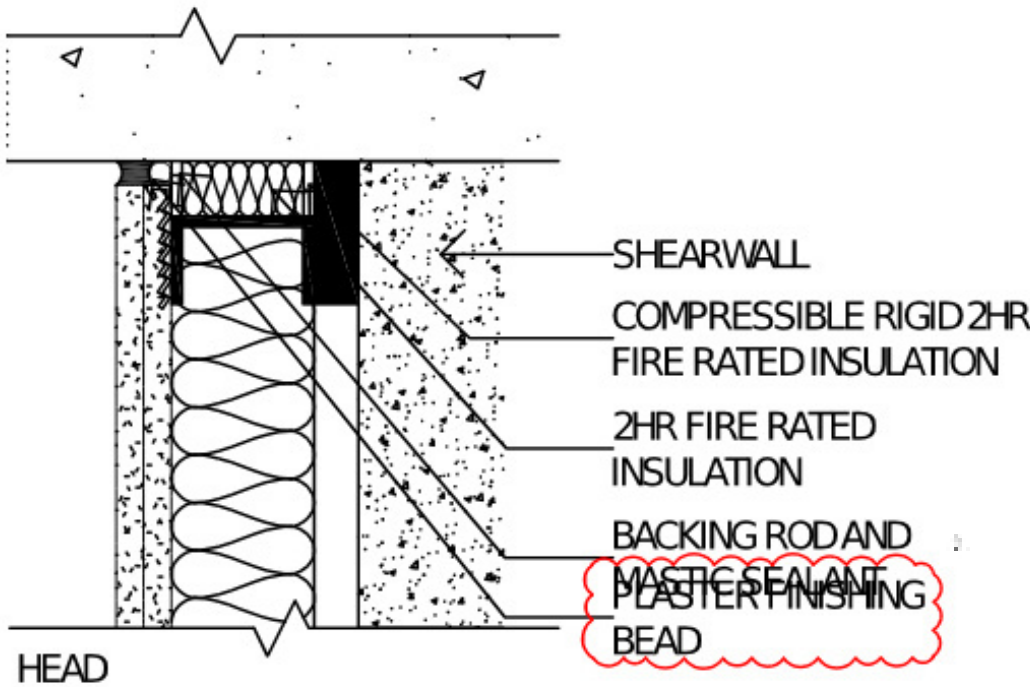
## Text Scanning

- Software will scan each & ever text in set and cloud the detected errors.
- Text error I'll be as follow :

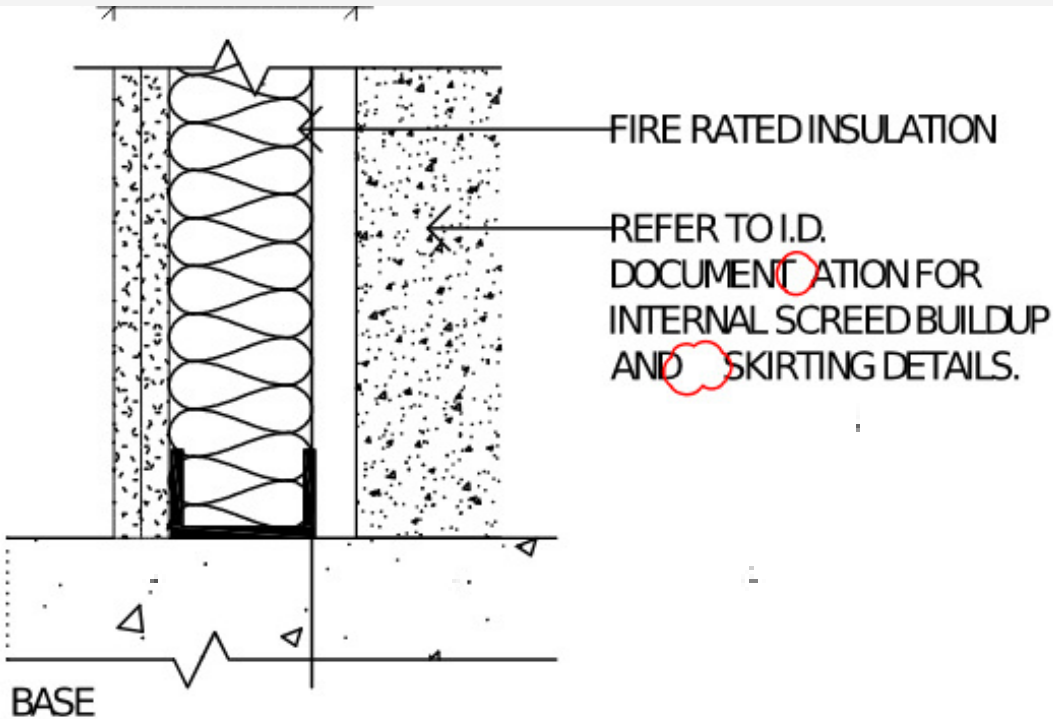
### 1) Spelling Error



### 2) Text Overlapping



### 3) Vacant Voids

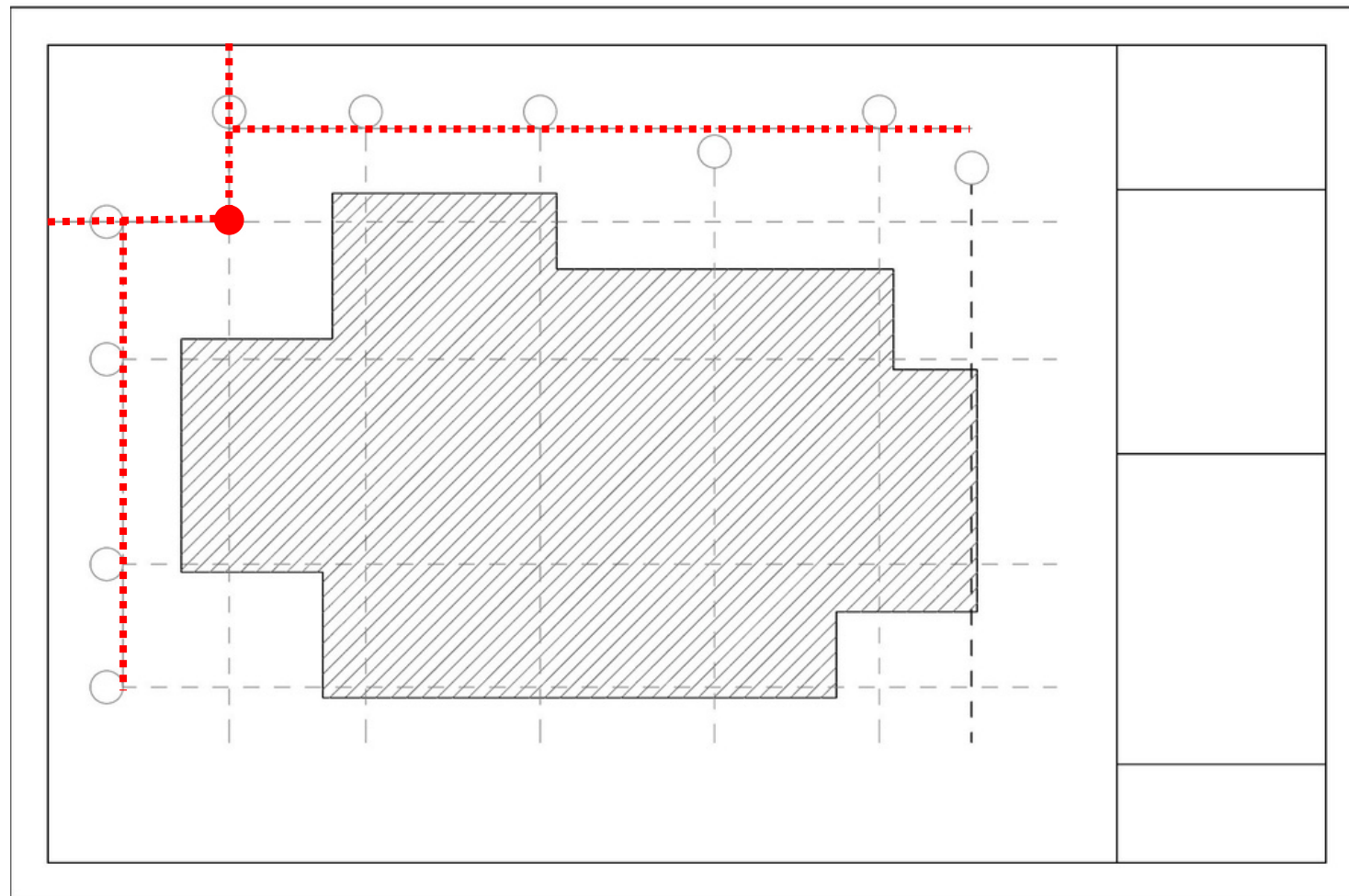


2.1

Label	Comments	Author	Date	Status	Color	Layer	Space
Ran	Provide mullion detail	Jpopiel	2/1/2018 4:57:45 PM		■	25% DO	
Ran	Stair doors to be fire rated assemblies, typ.	Jpopiel	2/1/2018 4:57:45 PM		■	25% DO	
Ran		Jpopiel	2/1/2018 4:57:45 PM		■	50% DO	
Ran	Verify 60in c/c radius for ADA	Jpopiel	2/1/2018 4:57:45 PM		■	50% DO	
Ran	See furniture plan for Open Office area	Jpopiel	2/1/2018 4:57:45 PM		■	50% DO	

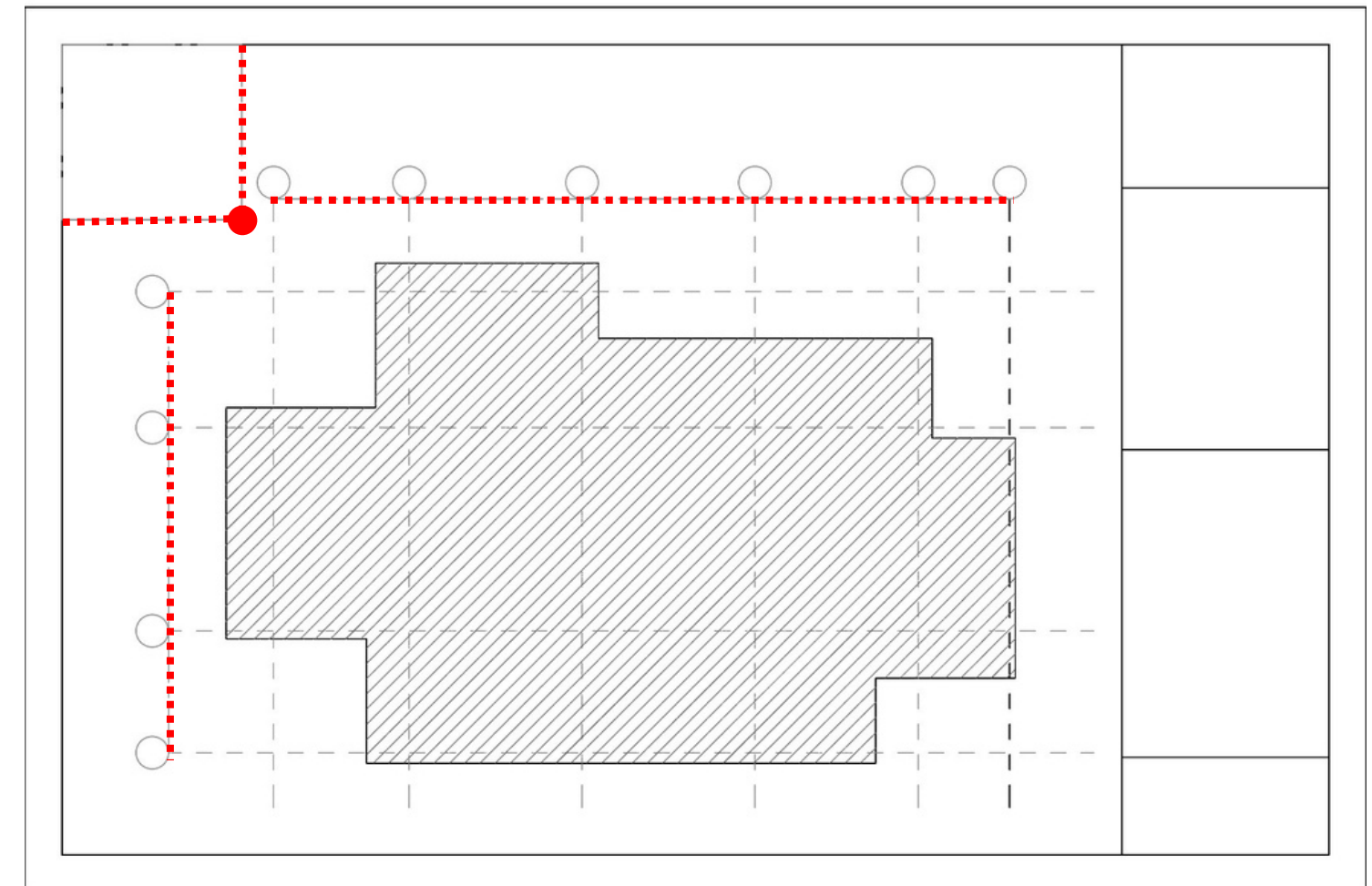


## Grids & View position



First Floor Plan

- Software will detect if the Grids are in same alignment are not.
- It will also determine whether the views are oriented to the same place for two successively floor layouts.



Second Floor Plan





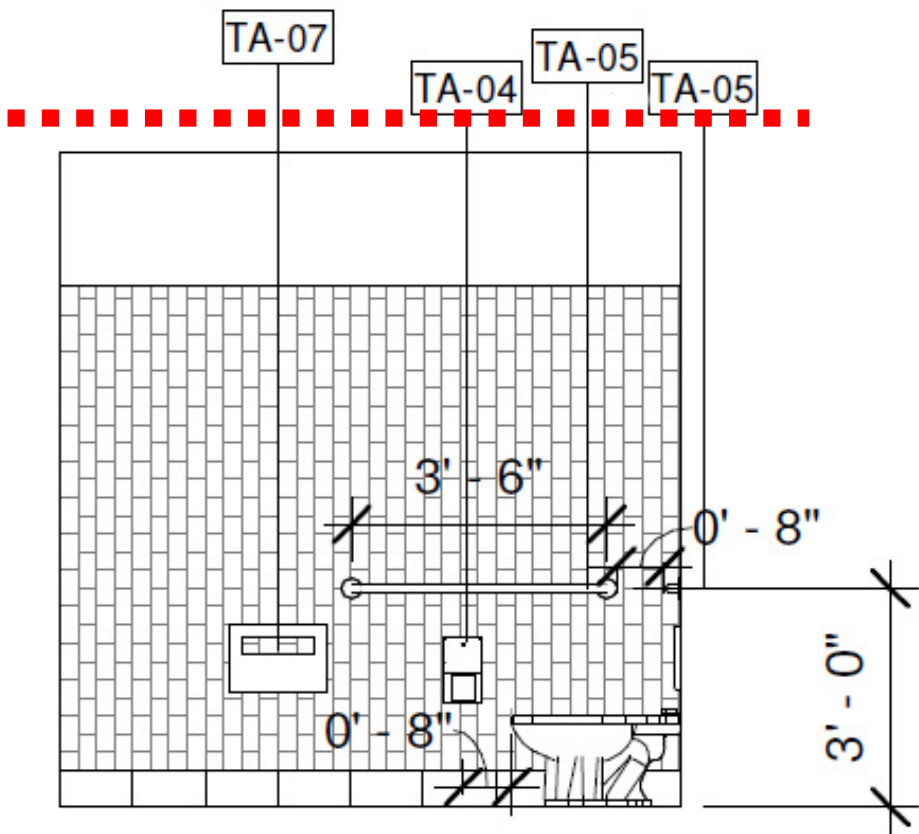
# Software Features



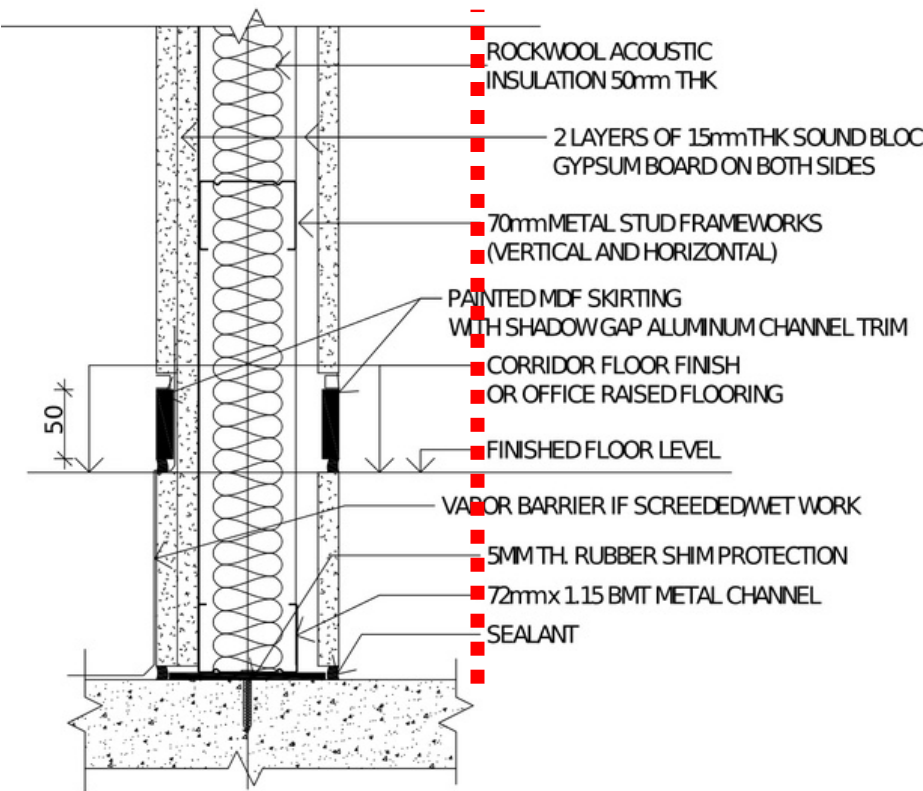
2.3

## Levels, Tags, Keynote & Text Alignment

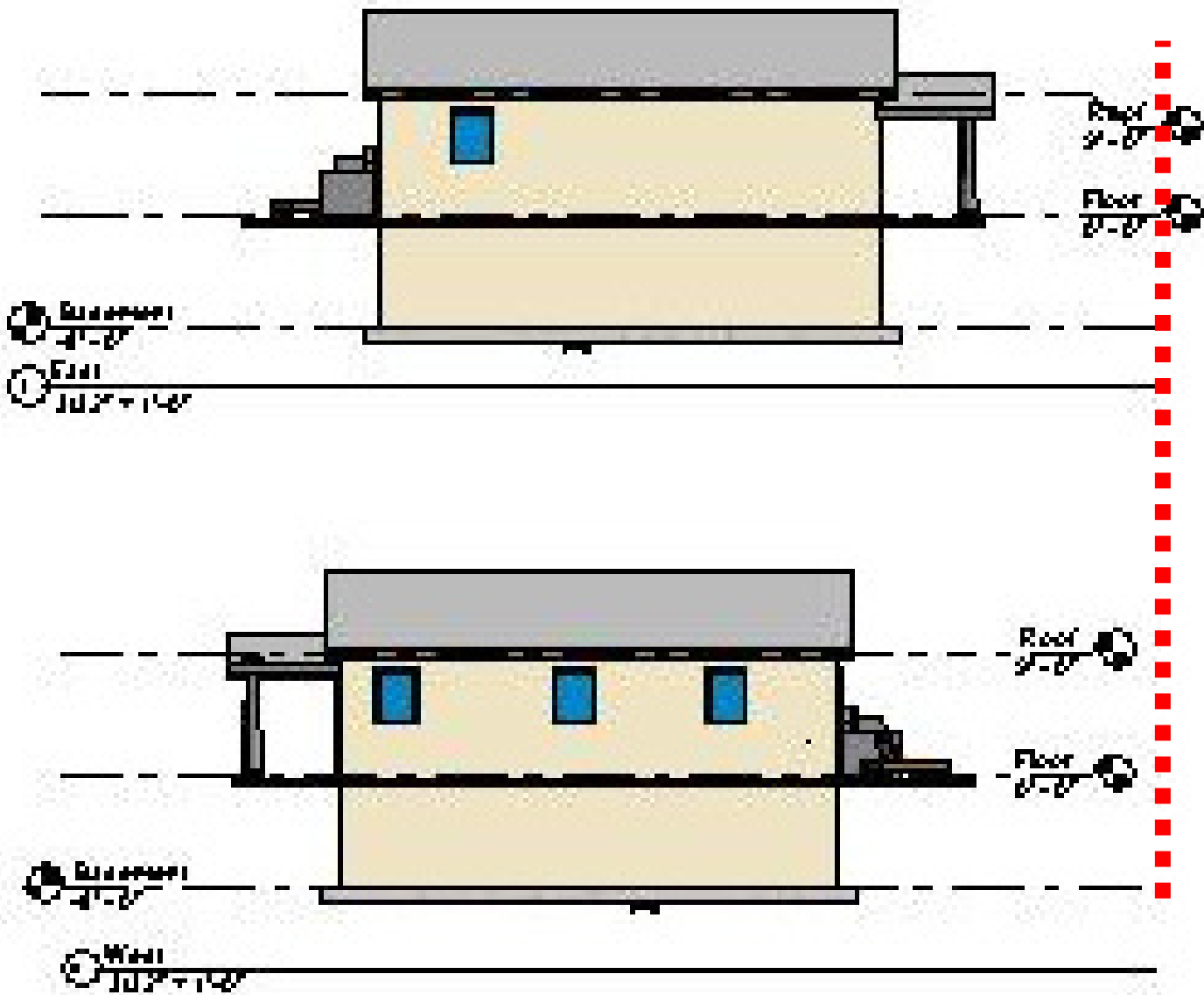
- Levels positions as in Sections & Elevation Sheets, Keynote & Text Alignment would also be analyzed



- Keynote Alignment



- Text Alignment



- Level Alignment

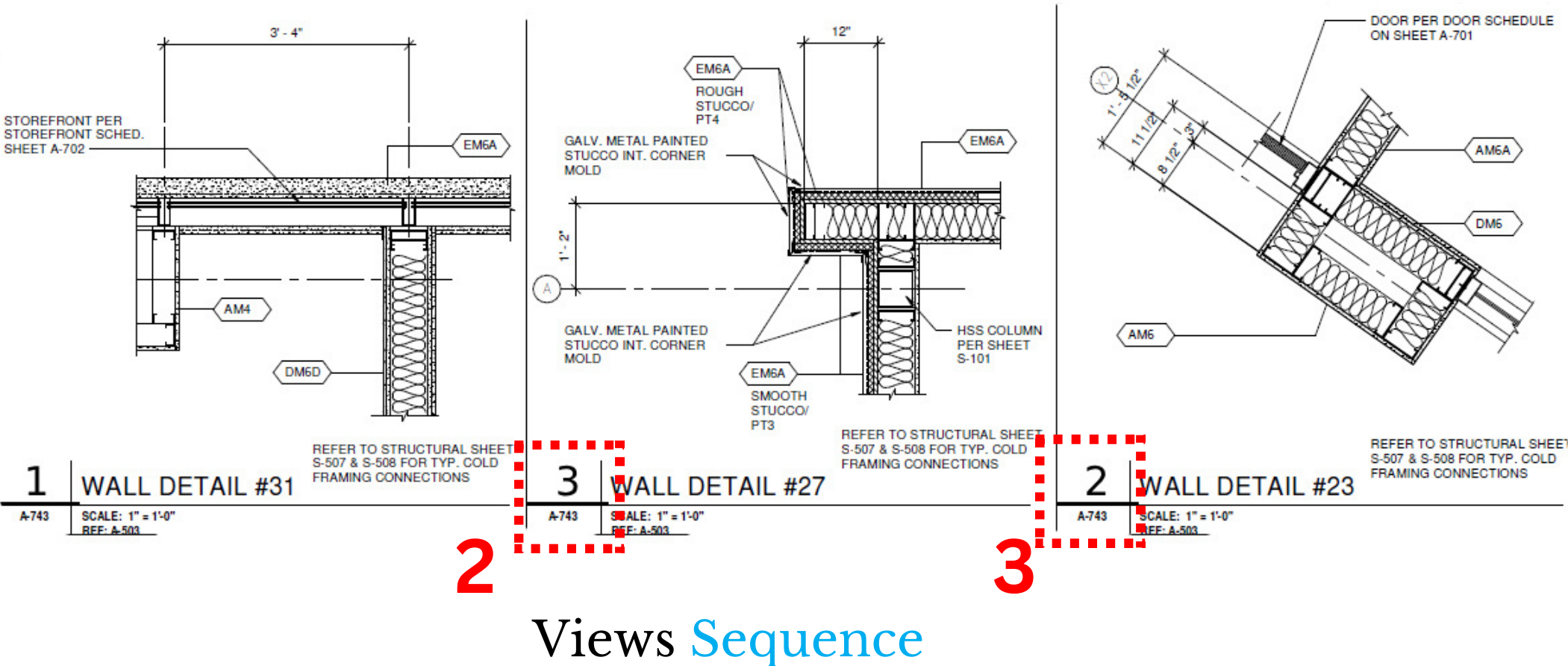
# Software Features



## View's Sequence & Sheet's Count

- A feature that keeps track of the View Numbering pattern and suggests if it's out of order.
- Many times it happens that an new sheet gets added in Revit Set, Yet user forgets to add that in print set as well.
- Thus difference in Sheet Count mentioned in index & total number of sheet provided is observed. Thus software will scan that as well.

2.4



## SHEET INDEX

Sheet List	
Sheet Number	Sheet Name
C0	COVER SHEET
C1	SITE PLAN
D1	DEMO PLANS
D2	DEMO ELEVATIONS
A1	BASEMENT & MAIN LEVEL FLOOR PLANS
A2	UPPER LEVEL & ROOF PLANS
A3	ELEVATIONS
A4	ELEVATIONS
A5	BUILDING SECTIONS
E1	ELECTRICAL PLAN
E2	ELECTRICAL PLAN
S1	FOUNDATION PLAN & MAIN LEVEL FRAMING
S2	UPPER LEVEL FRAMING & ROOF FRAMING PLAN
S3	STRUCTURAL DETAILS
S4	STRUCTURAL DETAILS
G1	GARAGE PLAN
G2	GARAGE ELEVATIONS and SECTIONS

GRAND TOTAL : 17

Revit Index Total



Sheets Printed





# Thank You

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