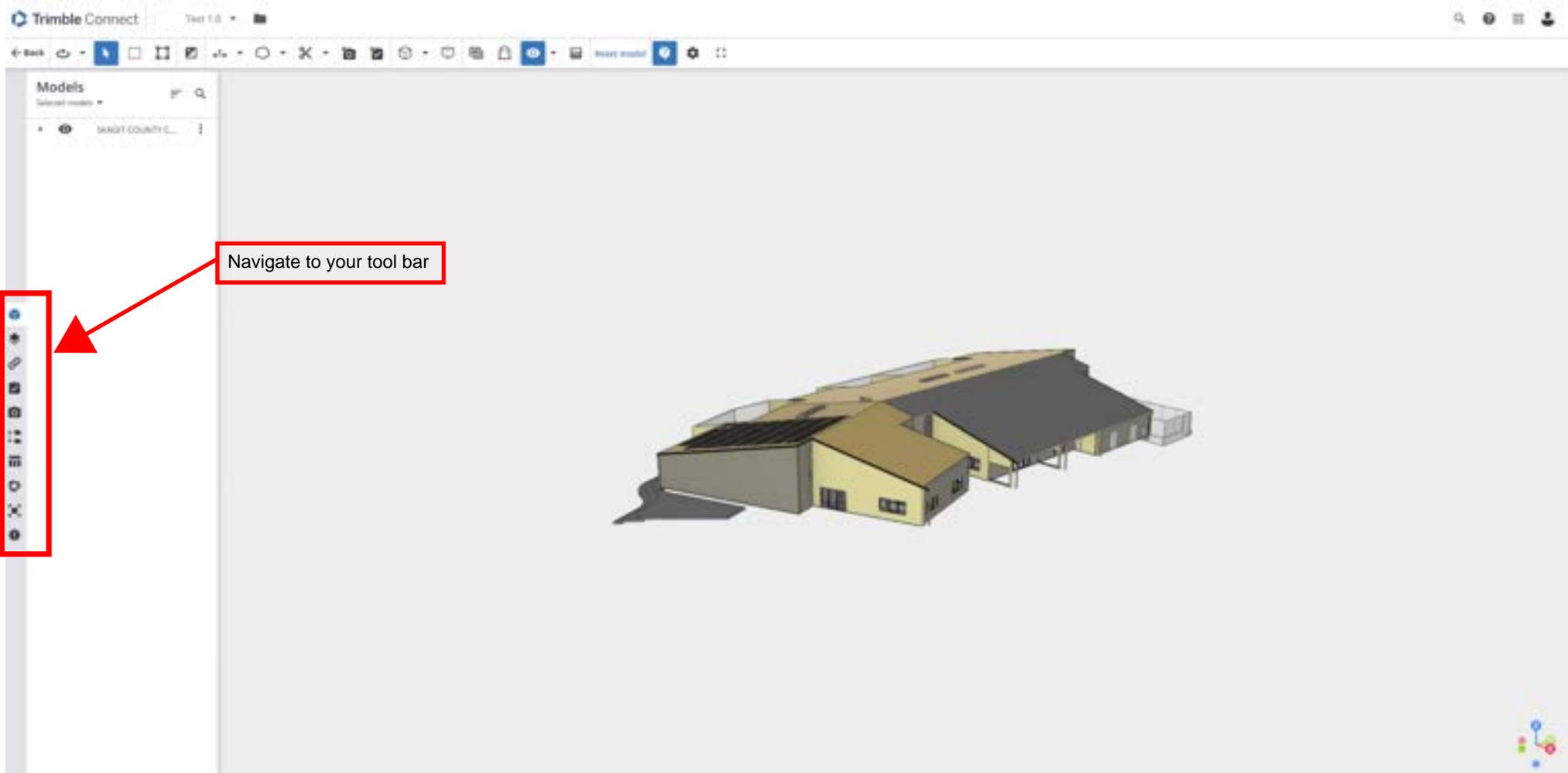


Open the model in Trimble Connect



Navigate to your tool bar

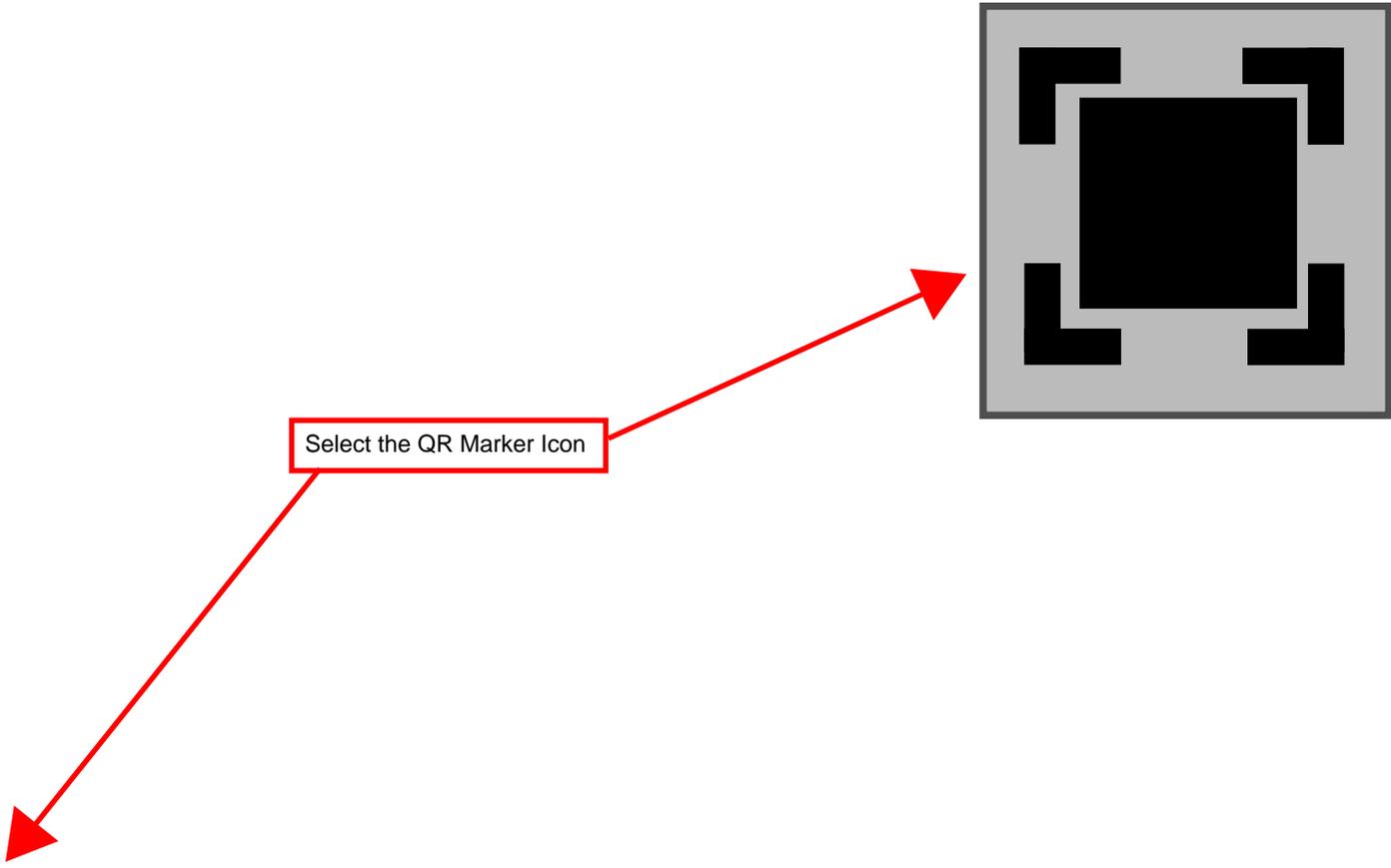
1

Models

Selected models ▾

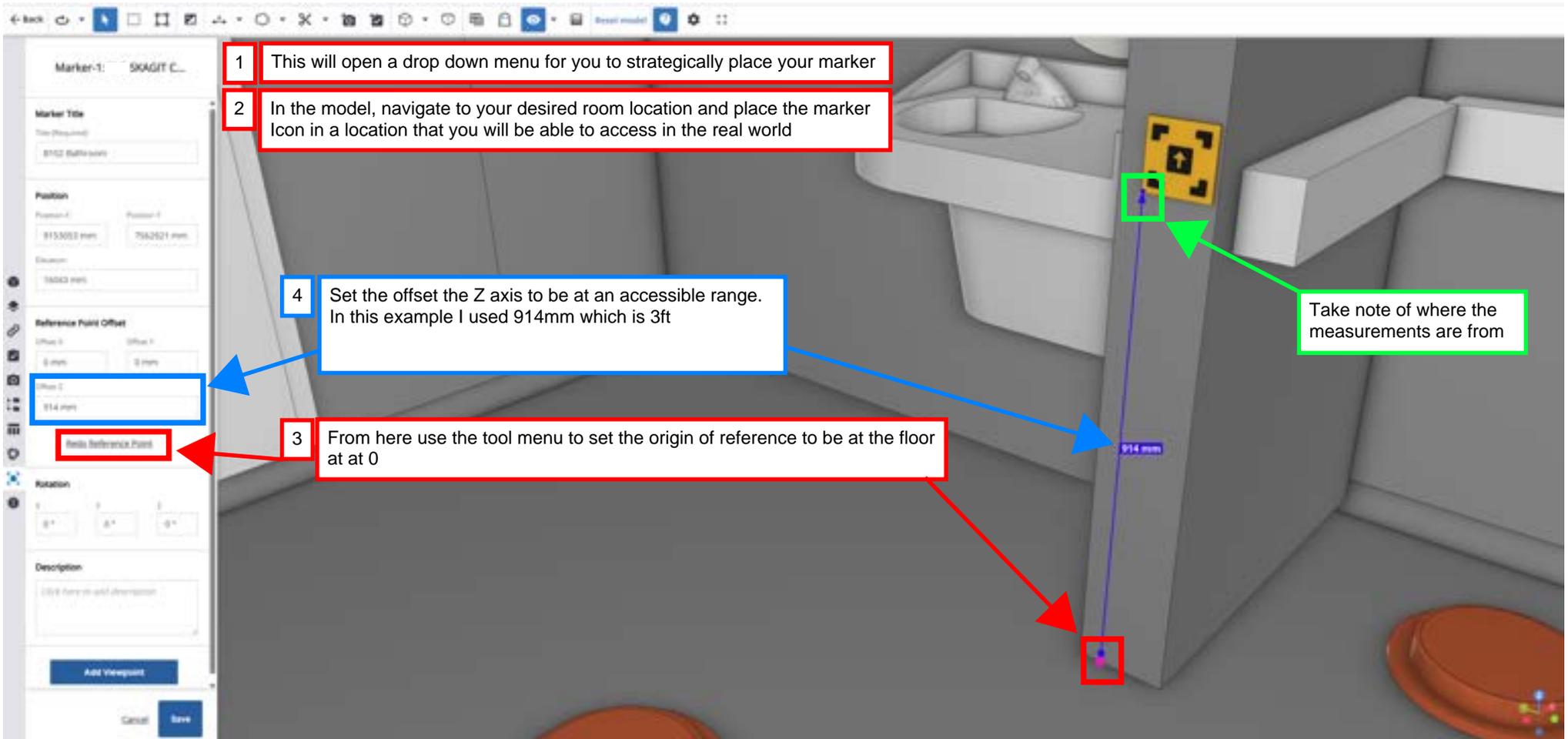


▶  SKAGIT COUNTY C... 



Select the QR Marker Icon

 QR Markers



4

Markers

Visible Models



- A100c
- Arrival Hall D108
- B100C
- B102 Bathroom
- C100c
- Exam B105
- Lactation Room D119
- Laundry B104
- Laundry C104
- Patient RR A102
- Patient RR A103
- Patient RR B103
- Patient RR C102
- Patient RR C103
- Patient RR D106
- Staff RR D114
- Staff RR D118

Download all

Once you have finished creating your Markers you will download them as a PDF

Then open the PDF and physically print them. Ensure that you use 8 1/2 x 11 and DO NOT touch the scale. If you alter the size/ image then your model will not be at the correct scale

5

Either on the Hololense or your mobile device, open the app store and install Trimble Connect AR

< Search

Today Games Apps Arcade



Trimble Connect AR

Trimble Inc. Inovation for AEC

Open



7 RATINGS

4.9



AGE

4+

Years Old

CATEGORY



Productivity

DEVELOPER



Trimble Inc.

LANGUAGE

EN

English

SIZE

214.9

MB

What's New >

Connect AR is changing! Trimble Connect AR has been merged with Trimble SiteVision to deliver a single, consistent AR experience. Moving forward, we are requesting all Connect AR users to transition over to the SiteVision app.

[more](#)

2mo ago

Version 2.11

Preview

Trimble Connect AR

Bring 3D to the jobsite

Augmented reality allows you to place your 3D models in their actual location on site. Complex situations become intuitive as you see the problem directly in the real world context.



Trimble Connect AR

Resolve issues on the spot

Make instant, informed decisions with all the project participants. Break down sites and solve problems collaboratively in real time with a data-rich 3D model that everybody can see and understand.



Trimble Connect AR

Scan and go, it's simple!

Establish an accurately positioned network of QR Markers. Scan the Markers to load and position models accurately in seconds.



Trimble Connect AR

Built for Construction

Support for all common BIM formats is delivered by Trimble Connect. Capture AR photographs and create BOQ topics to drive project control workflow. Download and run offline for maximum flexibility.



6



SKAGIT COUNTY



Sign in to the app with the same credentials that you used to sign in for Trimble Connect

Navigate to the load model tab and connect the model from Trimble connect to the app

Pablo Fugaro



Place your model



Load Model

Place Model

Tools

Exit

Once complete select the Place Model Tab

Cross-section



Transparency



7

Warning

Once you open the device please read the warning and be careful when using the application as you are more prone to tripping hazards

Only use this system in environments where it is safe to do so

You are responsible for maintaining awareness of your
surroundings

Failure to do so may put your safety at risk

Accept

8



Pablo Fugaro



Place your model



Load Model

Place Model

Manual

Tools

Marker

Exit

Component

Select the Marker tab



Cross-section

Transparency

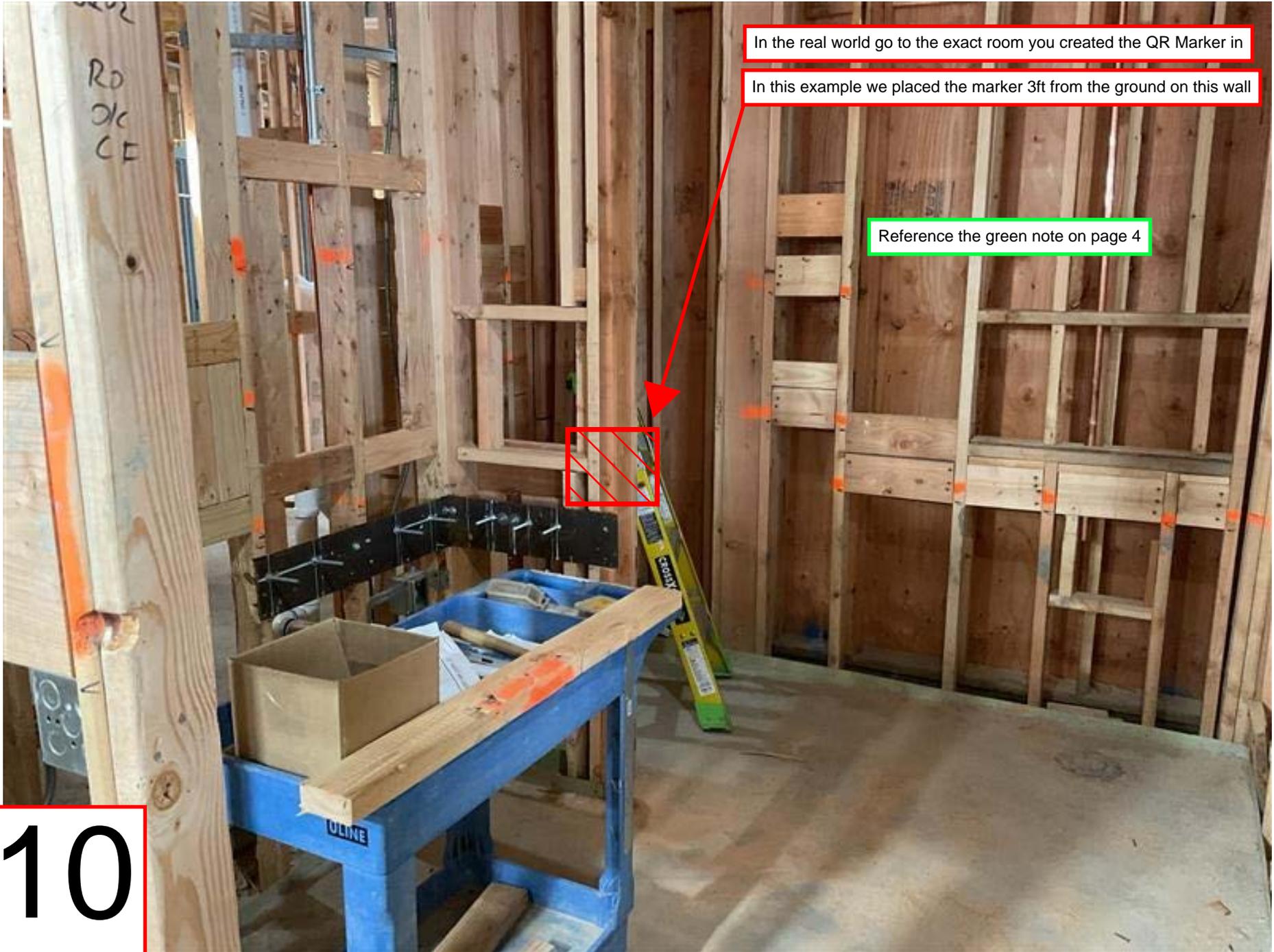
In the real world go to the exact room you created the QR Marker in

In this example we placed the marker 3ft from the ground on this wall

Reference the green note on page 4



10



Created on
20 March 2025

B100C

SKAGIT COUNTY CSC-ARCH-23_detached.lfc



Trimble Connect

x = 9148.208 m / y = 7581.439 m / z = 16.093 m
Reference Point Offset x = 0.152 m / y = 0.000 m / z = 0.914 m

Description

Take you QR Marker and place it on the location.

Recall the green note on page 3 this is where you are to measure from for all the axis

11

Initiate the scan

Marker Placement ✕

For best performance, please scan your working area for a few seconds before starting.

Start

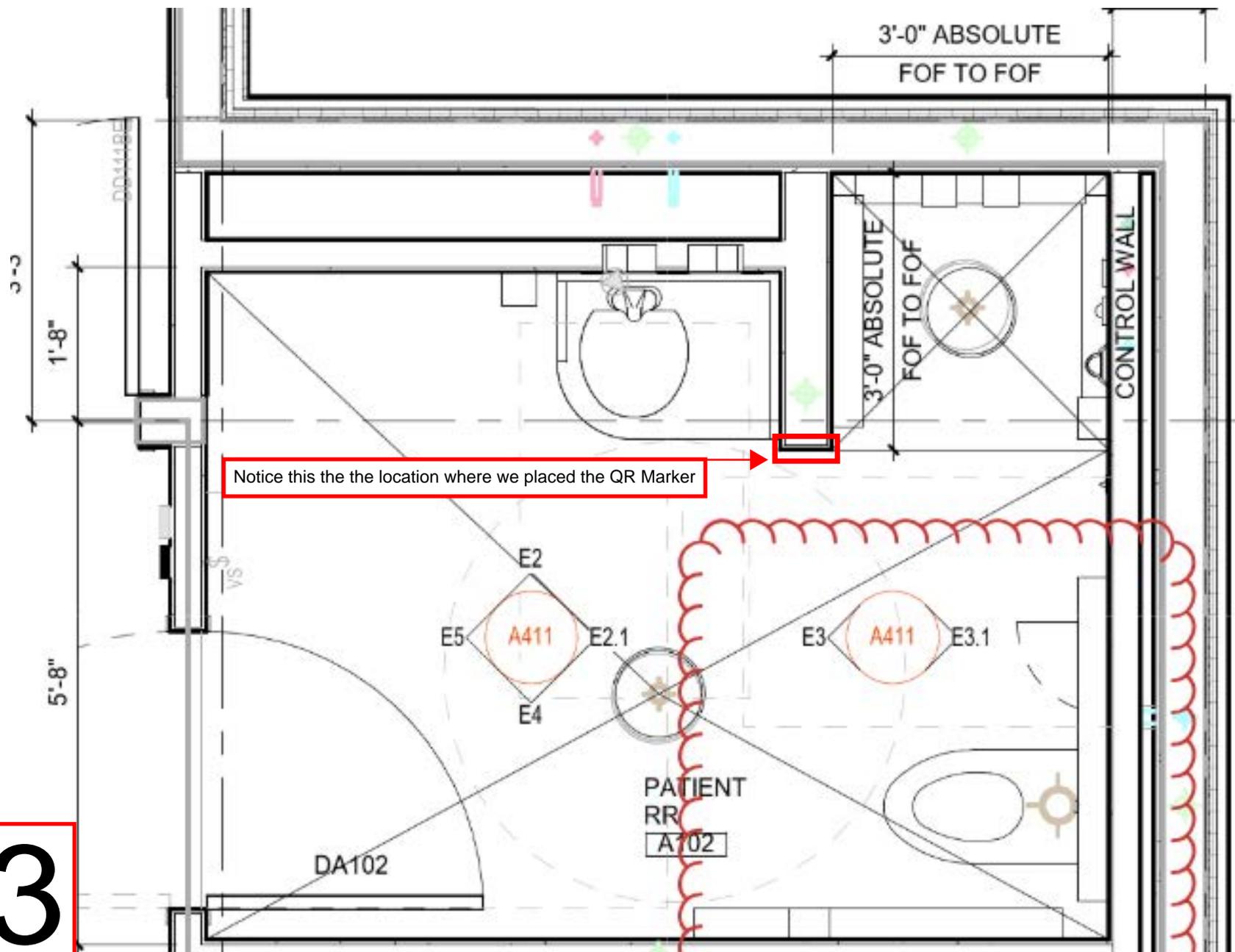
Scan Marker to Place Model ✕

Approach the Marker until you see the progress circle. Complete the progress circle by shifting from left to right, to view the Marker from a range of angles.



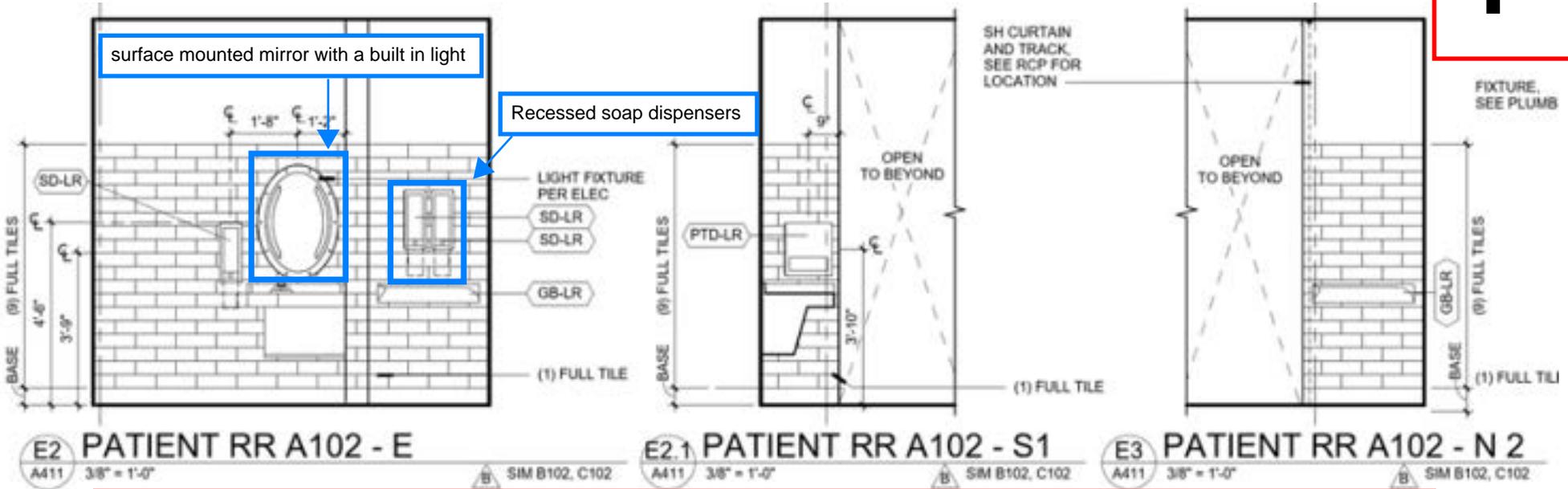
12

Now lets take a look at the room from the plans



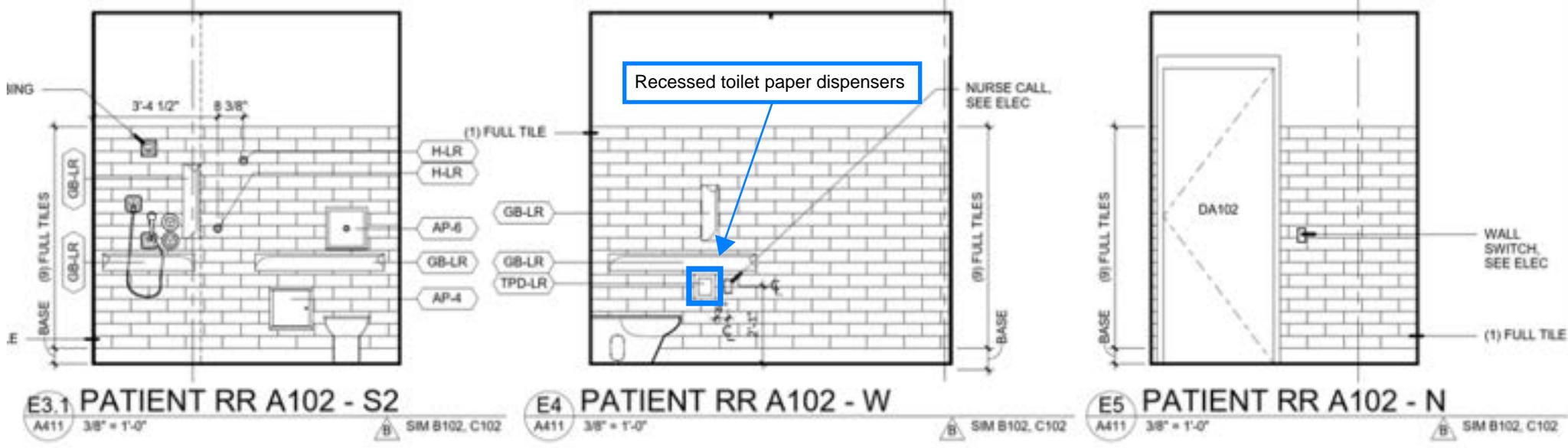
13

Looking at the room elevations even though they are dimensioned it is still hard to get a sense of scale for these various products



All of the products are either recessed or surface mounted and as a designer you must know how close you can place the products in order to avoid a clash

As a general contractor you must look up each product and either add blocking for the surface mounted products or a recessed box for the recessed products



A photograph of a construction site showing wooden framing. The image is filled with vertical studs and horizontal blocking. A green and yellow step ladder is positioned in the center. Orange spray marks are visible on the wood. Three red-bordered text boxes are overlaid on the top portion of the image.

Now lets take a look at the current conditions

Notice the blocking and boxes for the various products

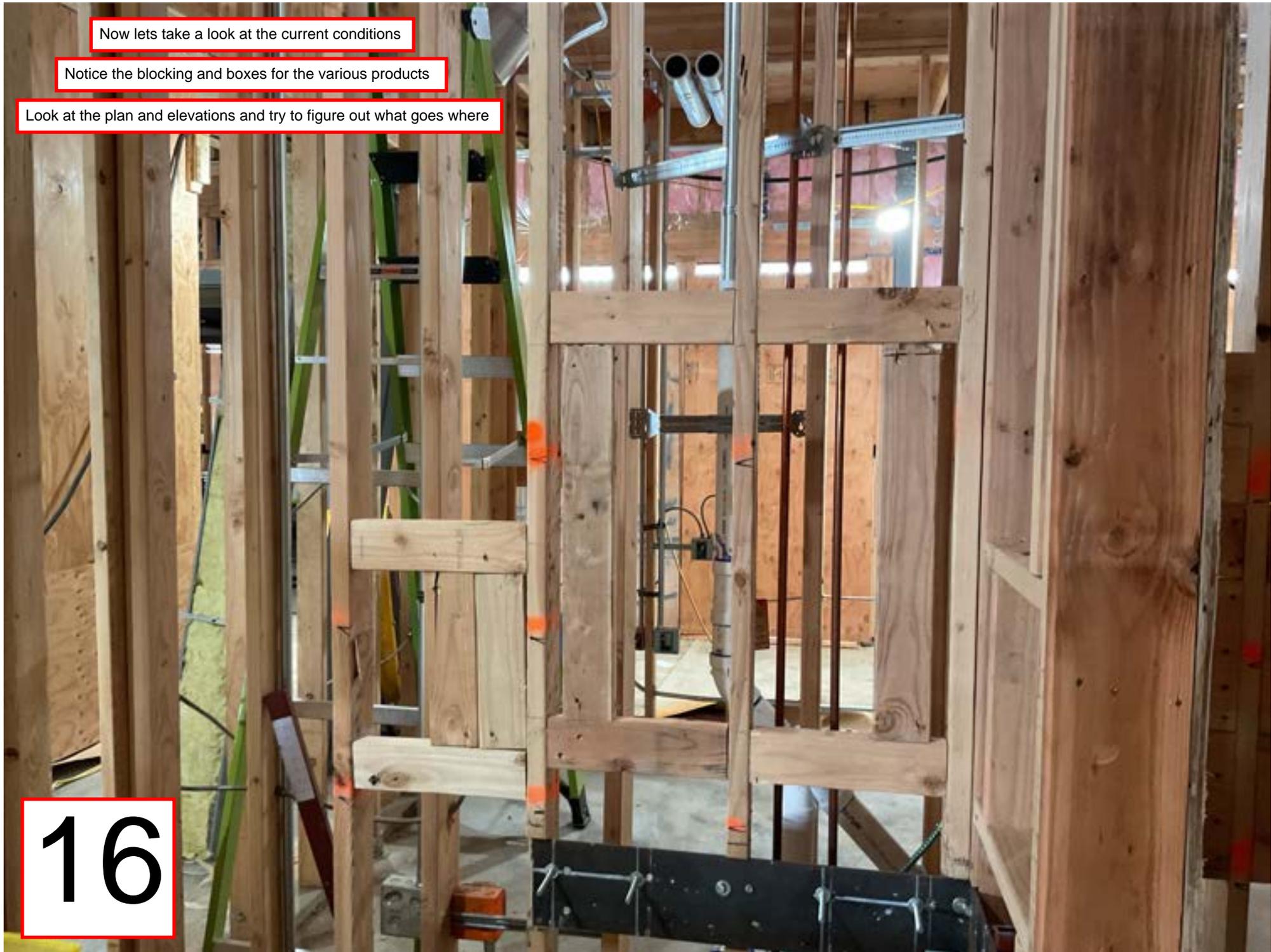
Look at the plan and elevations and try to figure out what goes where

15

Now lets take a look at the current conditions

Notice the blocking and boxes for the various products

Look at the plan and elevations and try to figure out what goes where



16

Now lets take a look at the current conditions

Notice the blocking and boxes for the various products

Look at the plan and elevations and try to figure out what goes where



17

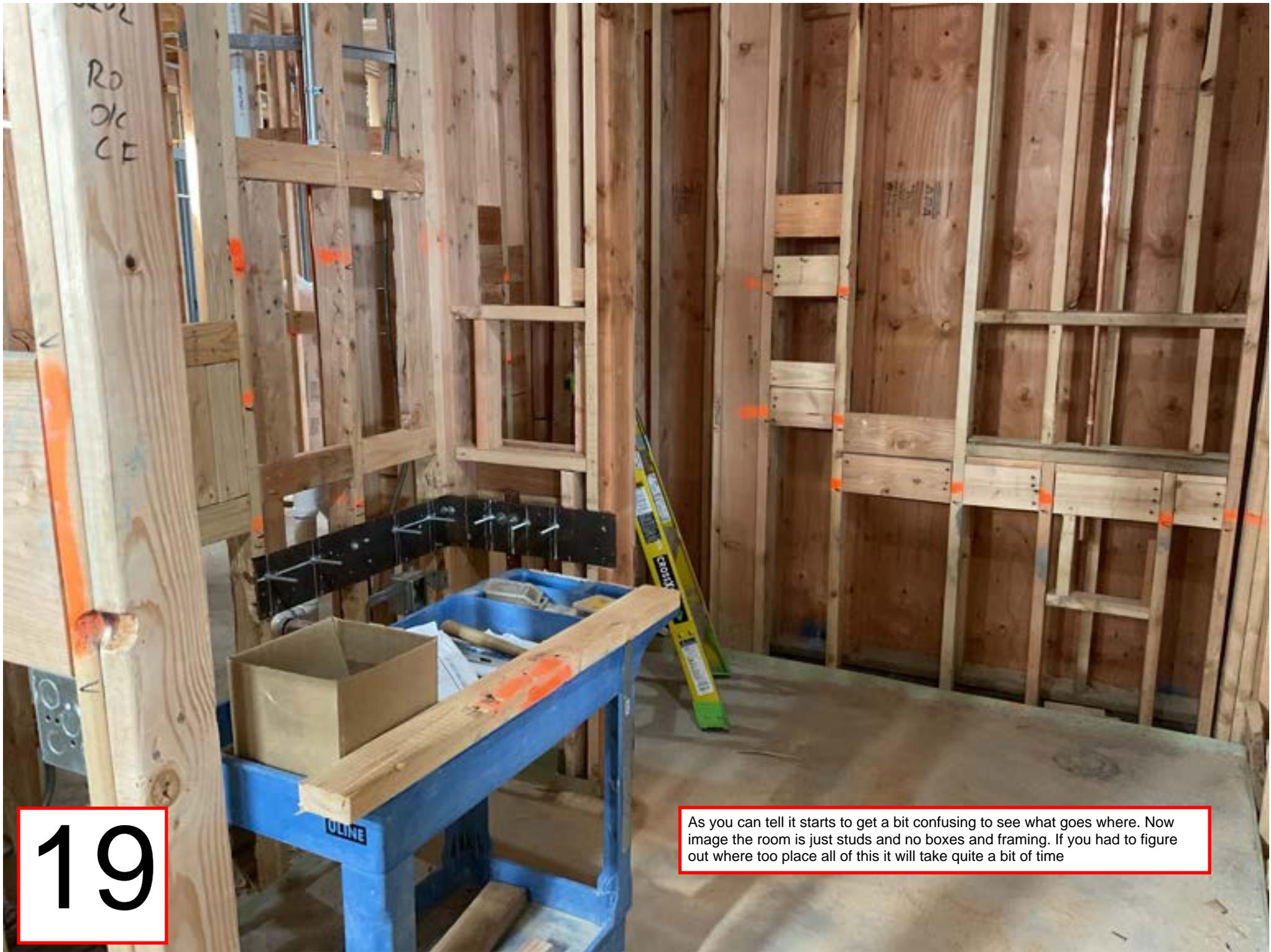


Now lets take a look at the current conditions

Notice the blocking and boxes for the various products

Look at the plan and elevations and try to figure out what goes where

18



19

As you can tell it starts to get a bit confusing to see what goes where. Now imagine the room is just studs and no boxes and framing. If you had to figure out where to place all of this it will take quite a bit of time

As you can see this is what the bathroom looked like before the blocking and trying to imagine what goes where and understand where everything is can be quite difficult. Now this is just one room. In reality you will have to image every room in the building and know where all of the products are at



20



Now with the model overlaid it is a lot easier to verify you have all of the products and to know if you have them in the right spots



21



Cross-section



Transparency





Now with the model overlaid it is a lot easier to verify you have all of the products and to know if you have them in the right spots



22

BCF Topic uploaded successfully



Cross-section



Transparency





Now with the model overlaid it is a lot easier to verify you have all of the products and to know if you have them in the right spots



23

BCF Topic uploaded successfully



Cross-section



Transparency





Now with the model overlaid it is a lot easier to verify you have all of the products and to know if you have them in the right spots



24



Cross-section



Transparency



Lets now look at other instances where the model is overlaid to the real world

25

26



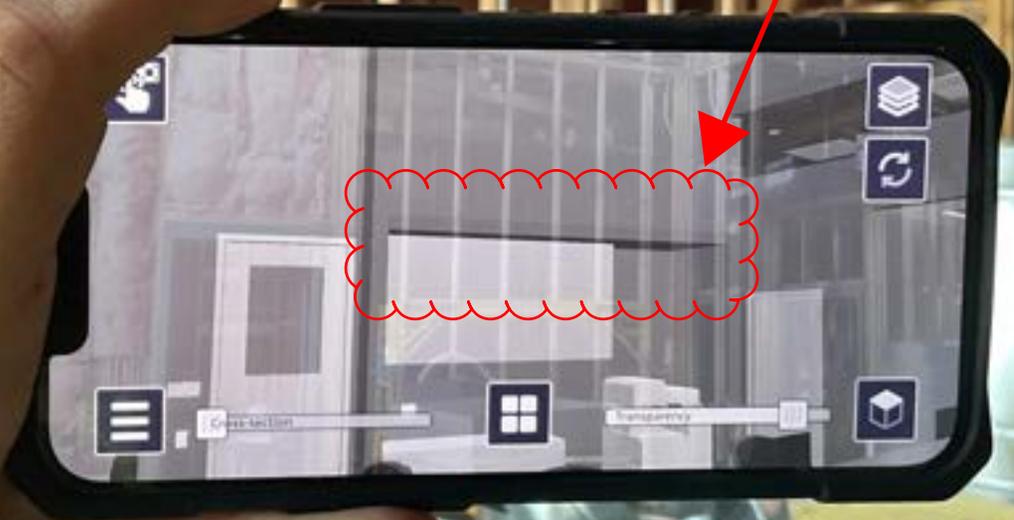


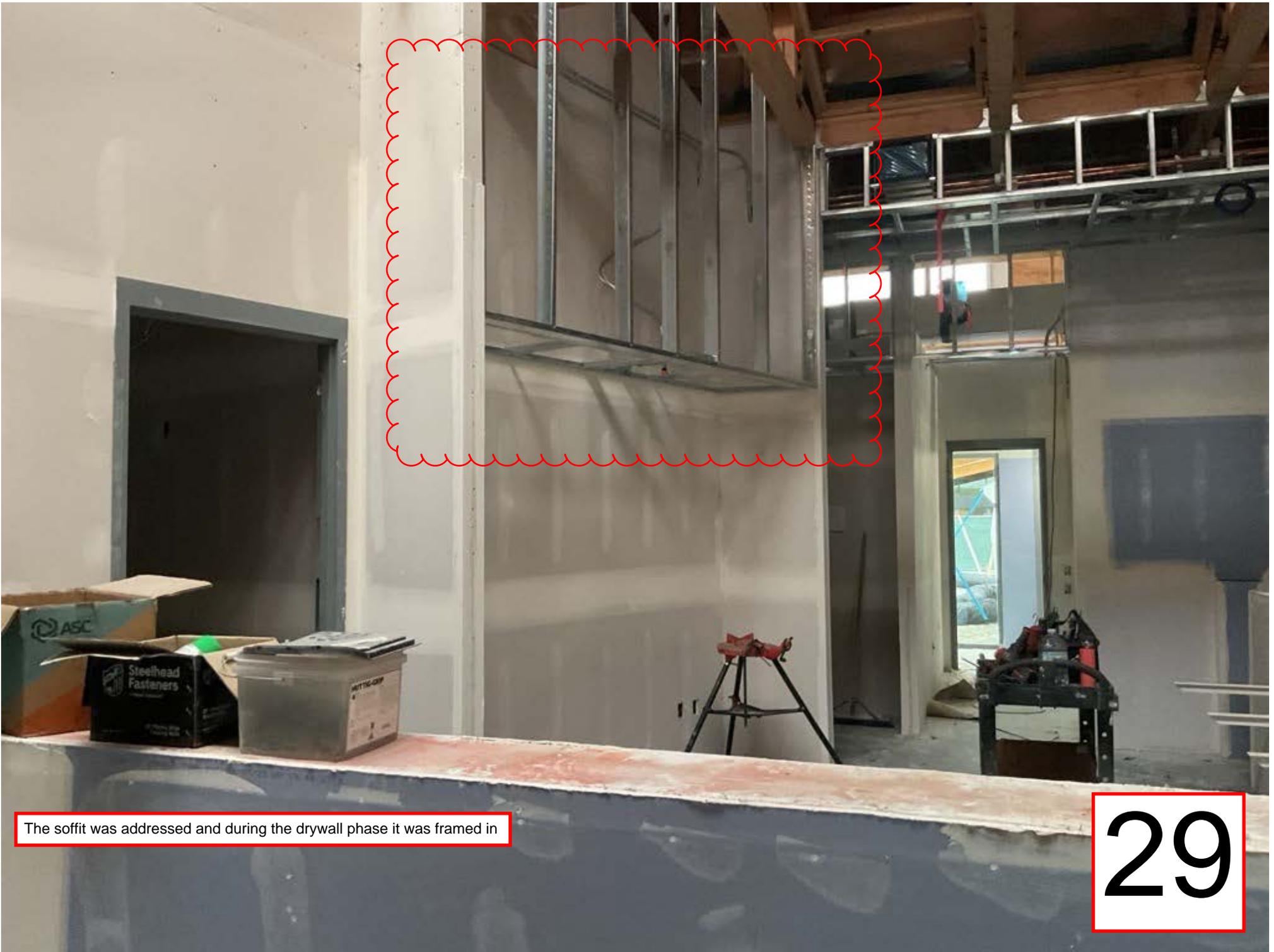
Notice this wall during framing

27

The same wall during rough in.

The soffit was hidden in the plans. In order to figure out it was there you would have to cross check 3 different pages that directed you from elevations to details to the reflected ceiling plan. However it was in the model





The soffit was addressed and during the drywall phase it was framed in

30

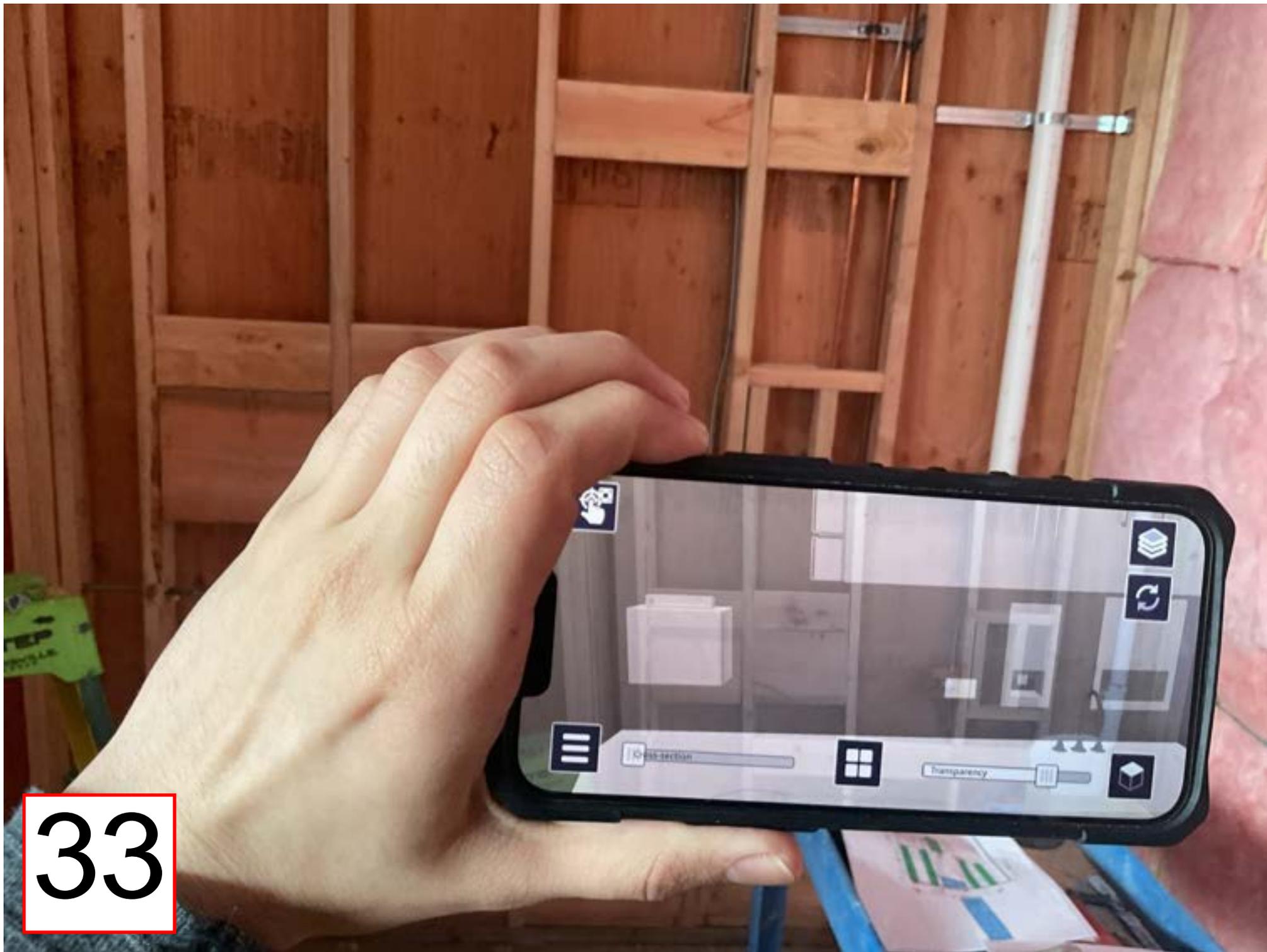




31



32



33

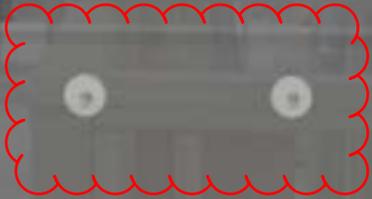


34

Notice the sleeping pods.



It shows coat hangers on the pods which require blocking



35



Cross-section



Transparency





36



Cross-section



Transparency





37



Cross-section



Transparency





38

As you can see the model is not directly overlaid to the exact location. This occurs when you walk too far away from the QR Marker. For the best results place QR Markers in the areas that you want a precise location





39

Explore the various tools like transparency

BCF Topic uploaded successfully



Cross-section





This tool allows you to see the layers of the model and hide in view

40

BCF Topic uploaded successfully



Cross-section



Transparency





See the layers

41

Layers

- Markers
- Model
- SRG-SKAGIT COU...3_detached
- A-AREA
- A-CLNG
- A-COLS
- A-DETL-GENF
- A-DOOR
- A-FLOR
- A-GENM
- A-GLAZ
- A-GLAZ-CURT



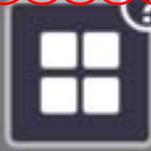
Other tools like measurements and note taking are available



42



Cross-section



Transparency

