



FRAMER SUMMIT
AT BCMC



There Has to Be a Way

Dean Onchuck, *Botmark Inc.*

Arnel Onchuck, *Botmark Inc.*

BCMC|FS EDUCATION SESSION DISCLAIMER: This presentation is for educational purposes only. Any opinion or point of view expressed represent the view of the presenter(s) and not the Building Components Manufacturers Conference | Framers Summit ("BCMC|FS"), the Structural Building Components Association (SBCA), or the National Framers Council (collectively the "BCMC Group"). The BCMC Group neither represents the accuracy or reliability of the information provided nor that such information complies with applicable law and the policies and procedures of the BCMC Group including its Anti-Trust and Conflict of Interest policies.

BCMC

PRESENTED BY: **SBCA**



FRAMER SUMMIT

AT **BCMC**



BCMC

PRESENTED BY: **SBCA**

FRAMER SUMMIT

AT **BCMC**



FRAMER SUMMIT
AT BCMC



There Has to Be a Way

Dean Onchuck, *Botmark Inc.*

Arnel Onchuck, *Botmark Inc.*

Introductions



Dean Onchuck
President
Botmark Inc.
Dean@botmark.com



Arnel Onchuck
Vice President
Botmark Inc.
Arnel@layoutspecialities.com

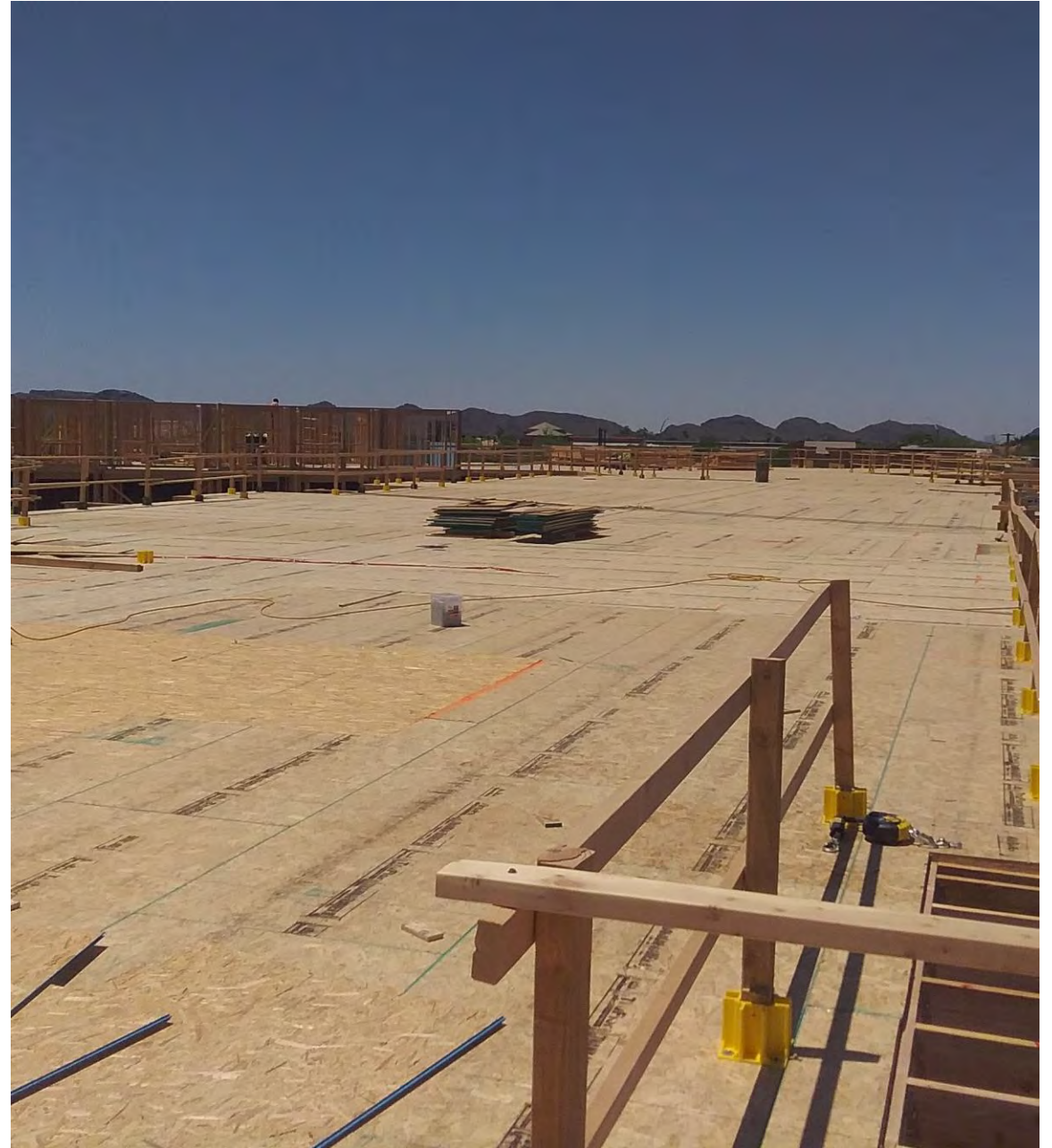


SECTION 1

Governing Principle



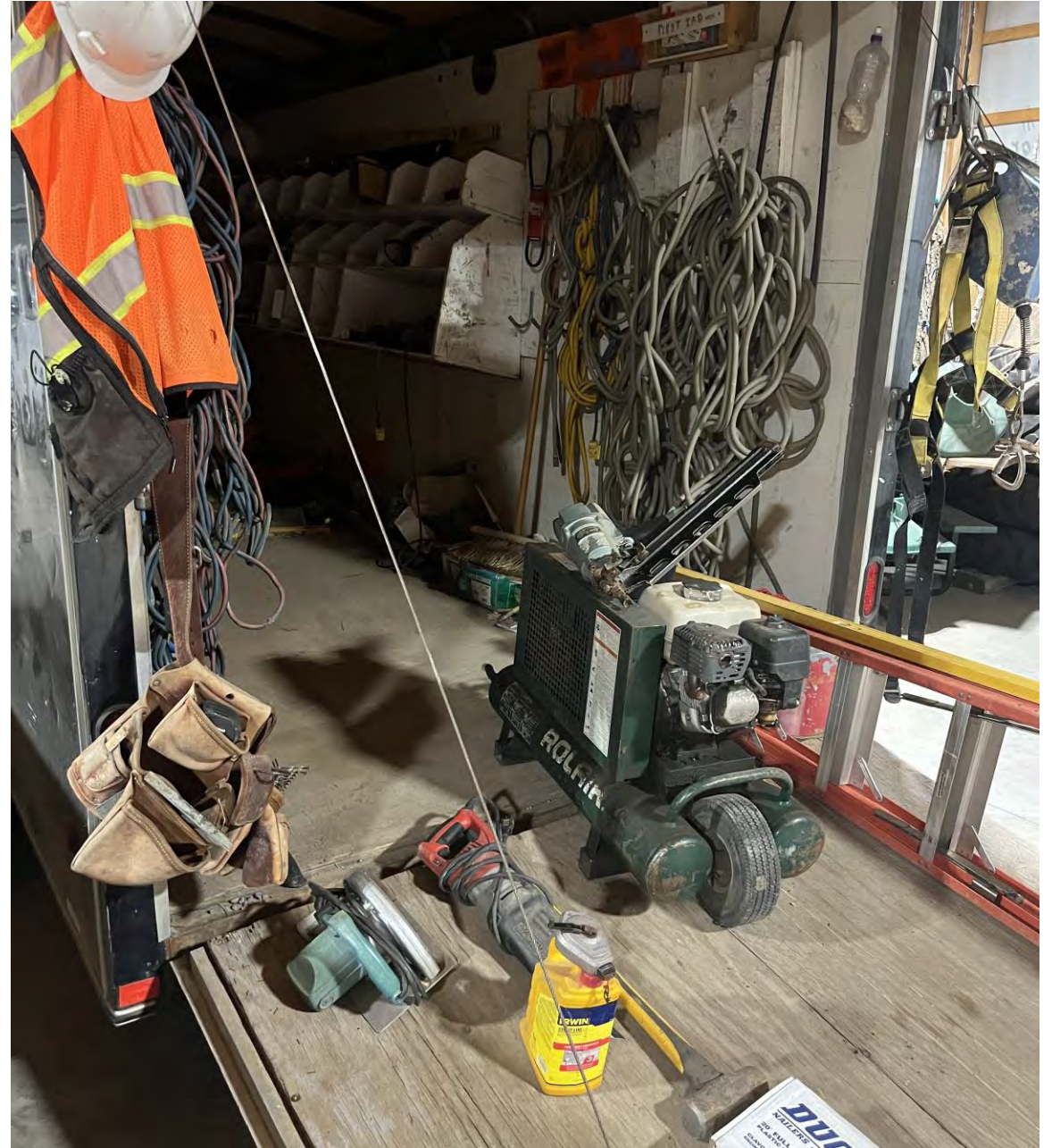
The 2013 Deck Moment



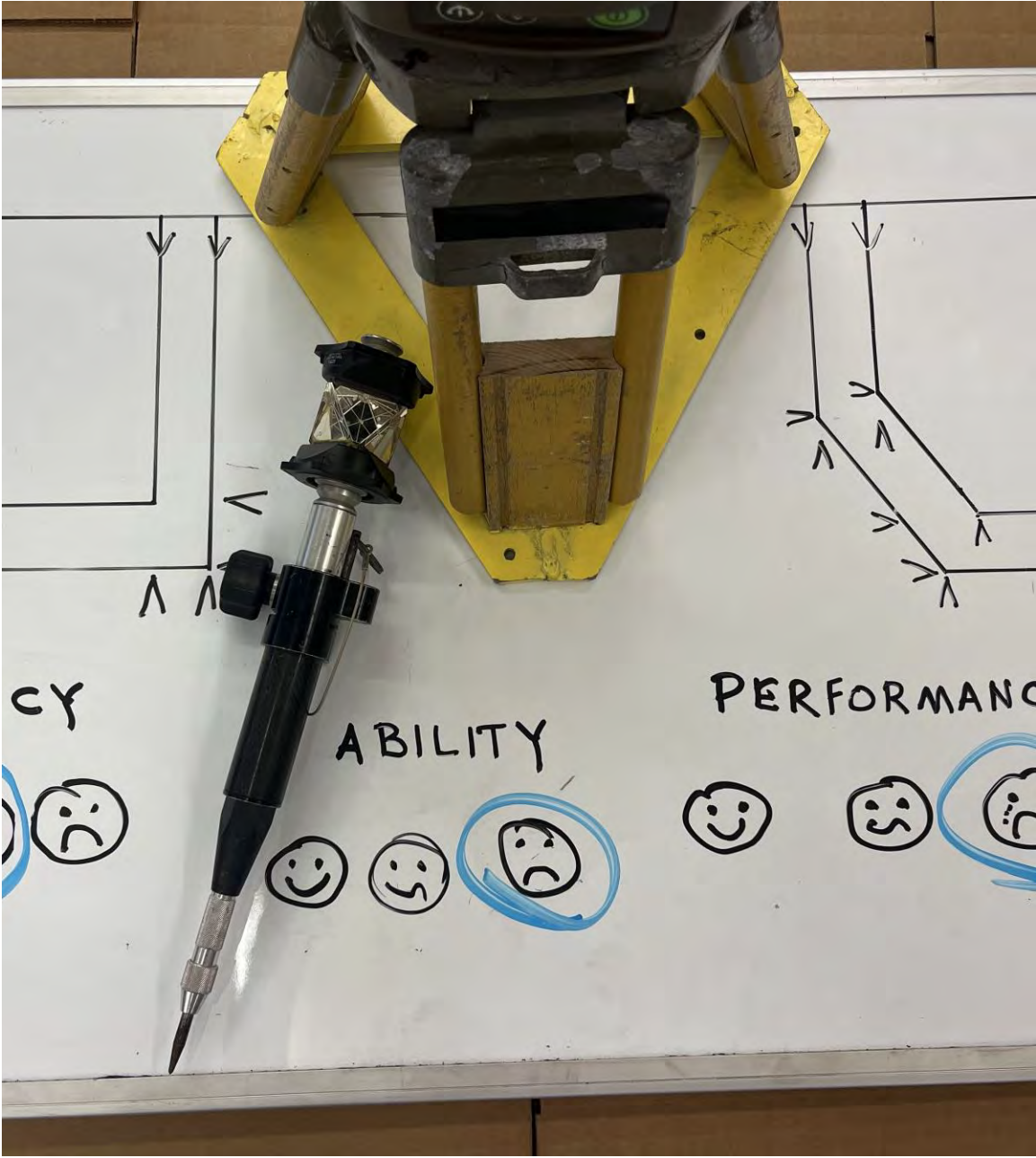
On the Deck



Before the Fix

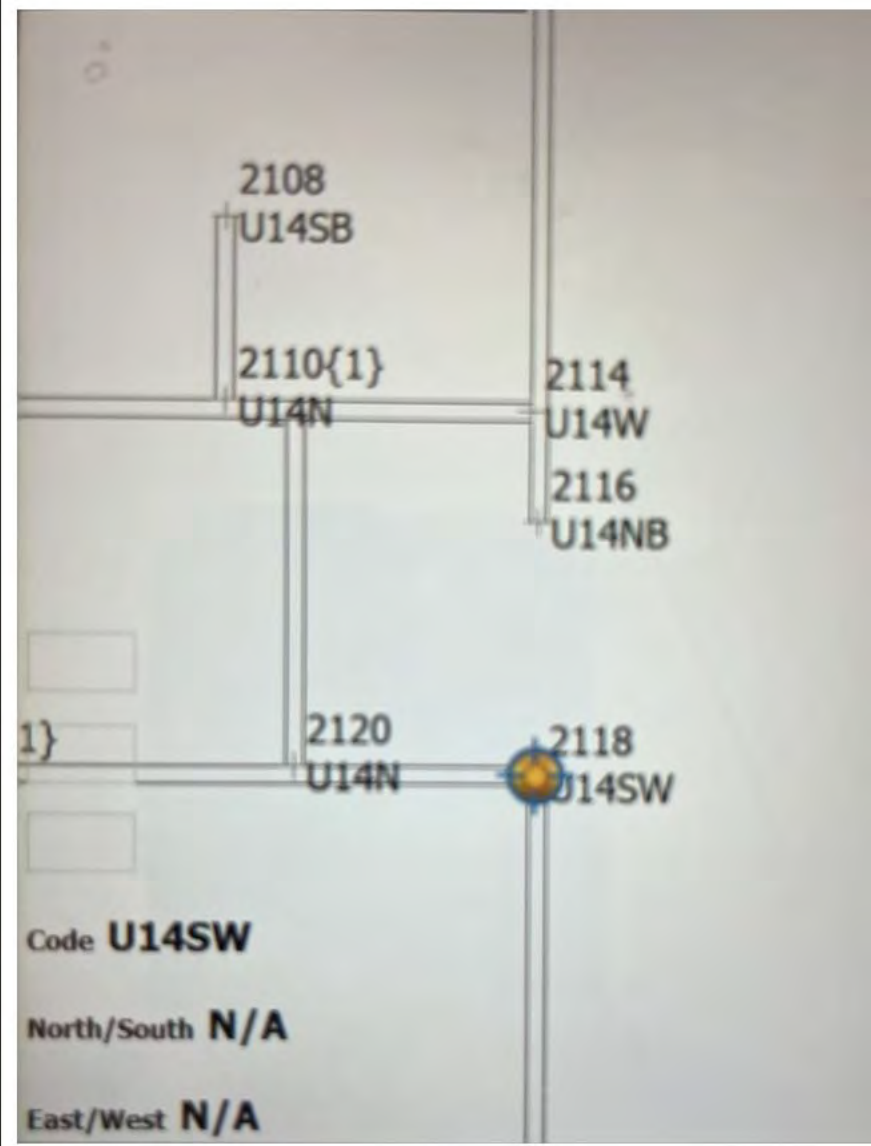


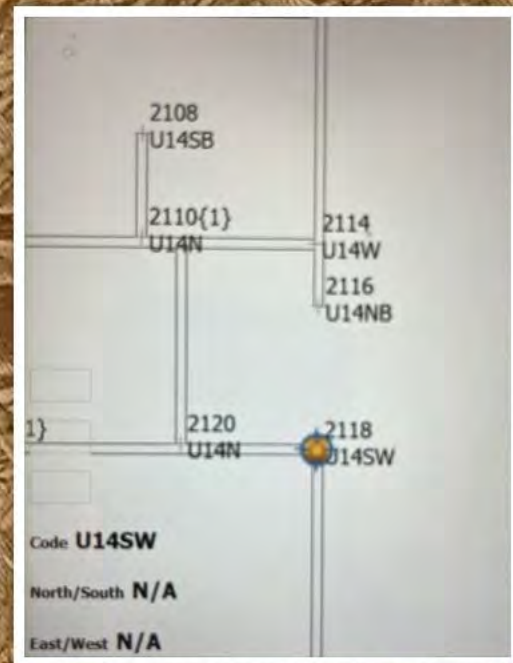
Our First Experience Was a Total Failure



The Fix — First Tool Concept







FROM OUR EXPERIENCE
AND THE PAIN
THAT GOES WITH IT. ?

THE DAYS OF
PUSHING A PENCIL. ?

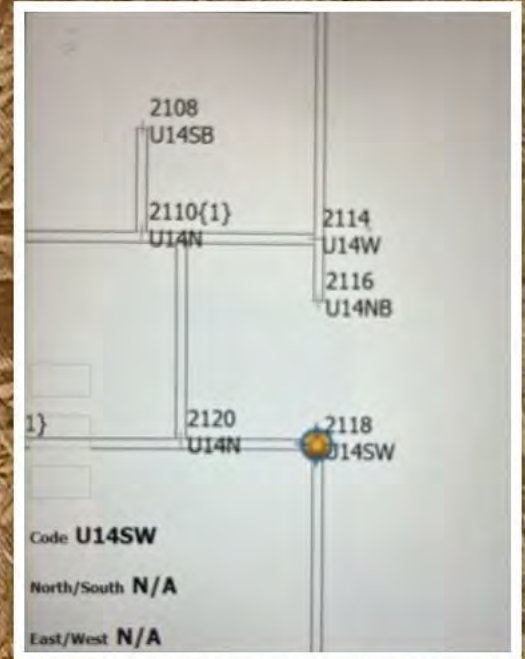
WASN'T
EASY ENOUGH. ?

RIGHT BACK
TO SQUARE ONE. ?

GIVING UP
TRYING TO TEACH. ?

PULLING OUT
THE SAME TOOLS. ?

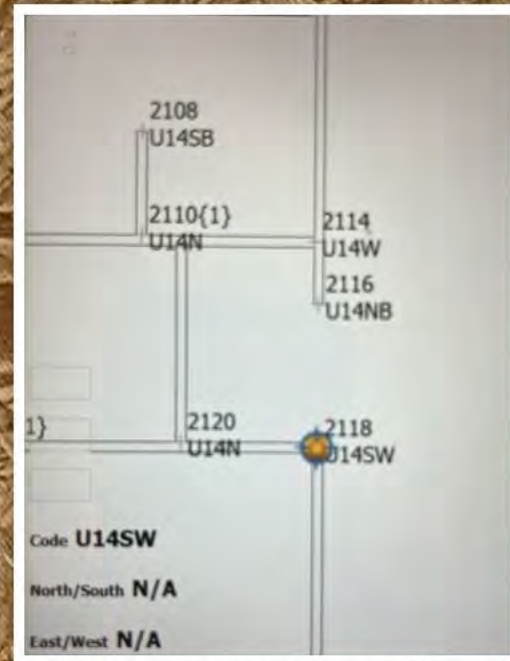
STILL STUCK DOING
ALL THE LAYOUT. ?



FROM OUR EXPERIENCE
AND THE PAIN
THAT GOES WITH IT. ?

RIGHT BACK
TO SQUARE ONE. ?

WASN'T
EASY ENOUGH. ?



PULLING OUT
THE SAME TOOLS. ?

GIVING UP
TRYING TO TEACH. ?

STILL STUCK DOING
ALL THE LAYOUT. ?

FROM OUR EXPERIENCE
AND THE PAIN
THAT GOES WITH IT. ?

RIGHT BACK
TO SQUARE ONE. ?

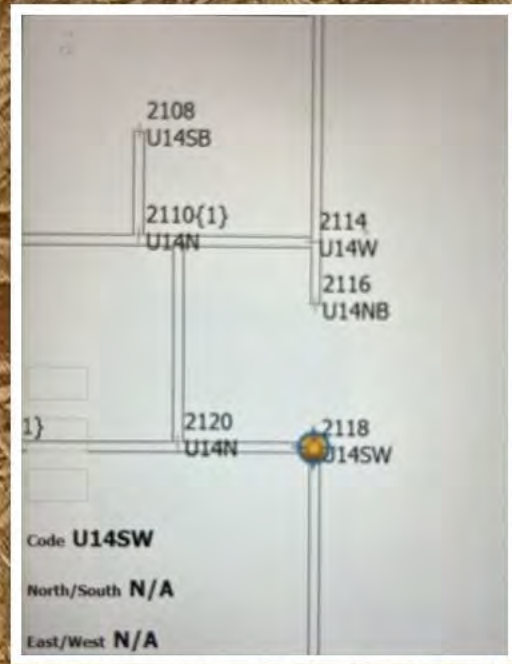
WASN'T
EASY ENOUGH. ?

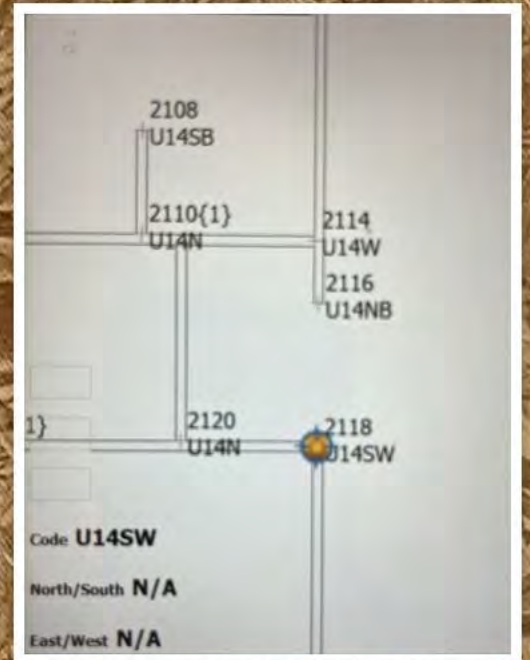
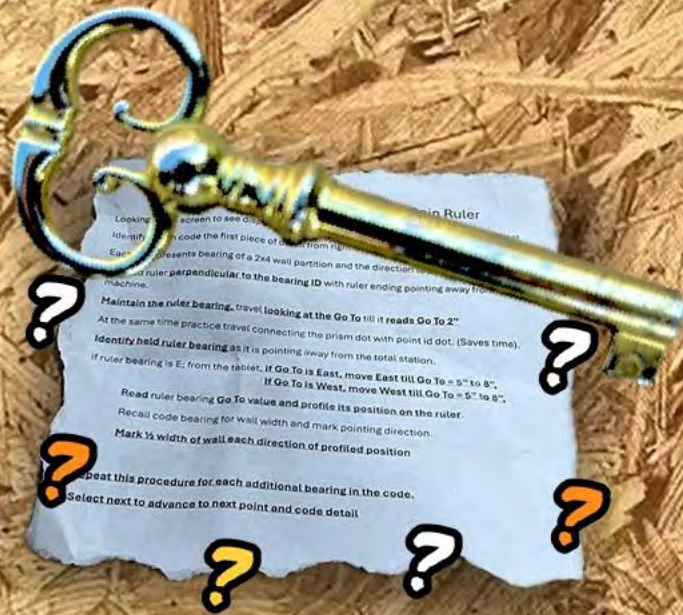
STILL STUCK DOING
ALL THE LAYOUT. ?

PULLING OUT
THE SAME TOOLS. ?

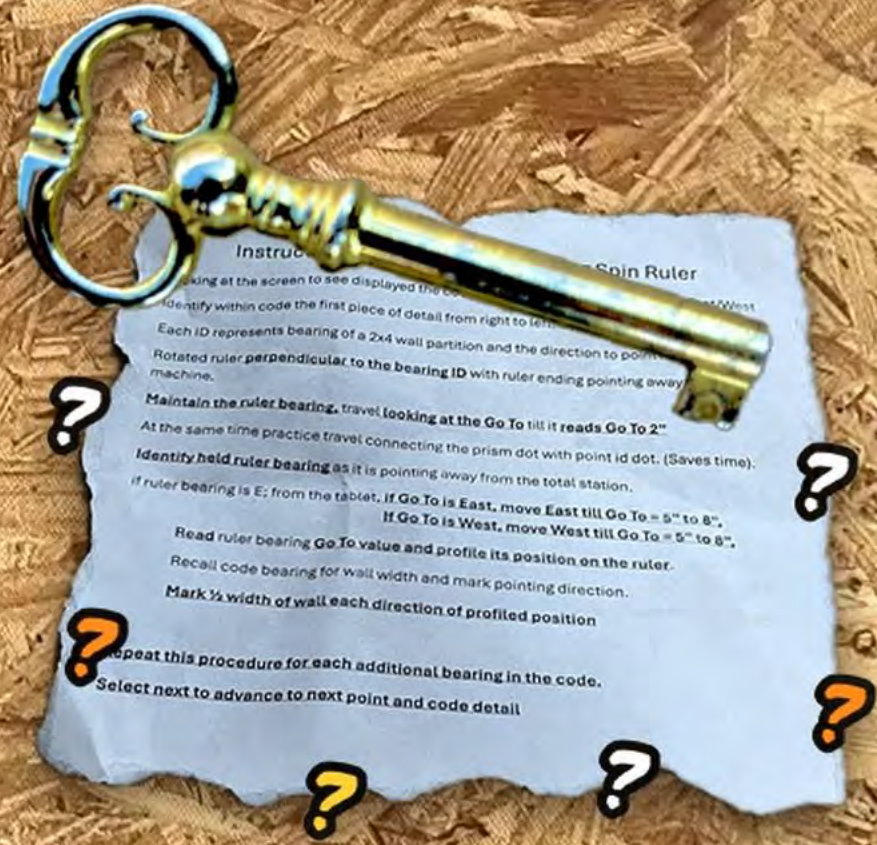
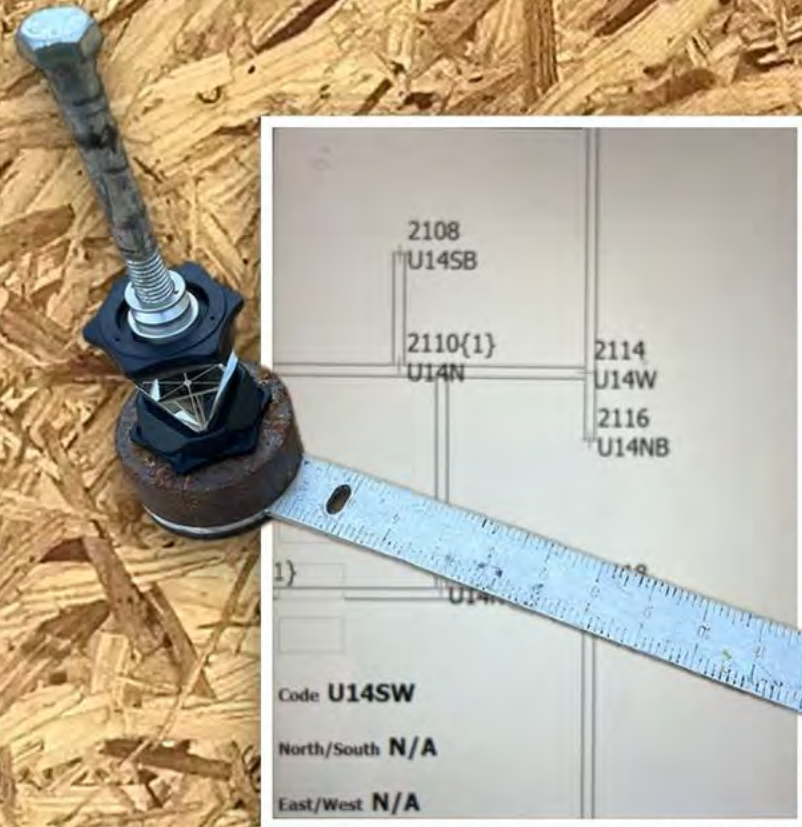
GIVING UP
TRYING TO TEACH. ?

Instructions for building layout using Spin Rules
Looking at the code to see displayed the code detail, Go To North/South, and East/West
Identify within code the first piece of detail from right to left; if N or S or E or W
Each ID represents bearing of a 2x4 wall partition and the direction to point marks.
Rotated ruler perpendicular to the bearing ID with ruler ending pointing away from machine.
Maintain the ruler bearing, travel looking at the Go To till it reads Go To 2"
At the same time practice travel connecting the prism dot with point id dot. (Saves time).
Identify held ruler bearing as it is pointing away from the total station.
If ruler bearing is E; from the tablet, if Go To is East, move East till Go To = 5" to 8",
If Go To is West, move West till Go To = 5" to 8".
Read ruler bearing Go To value and profile its position on the ruler.
Recall code bearing for wall width and mark pointing direction.
Mark 1/2 width of wall each direction of profiled position
Repeat this procedure for each additional bearing in the code.
Select next Go To advance to next point and code detail



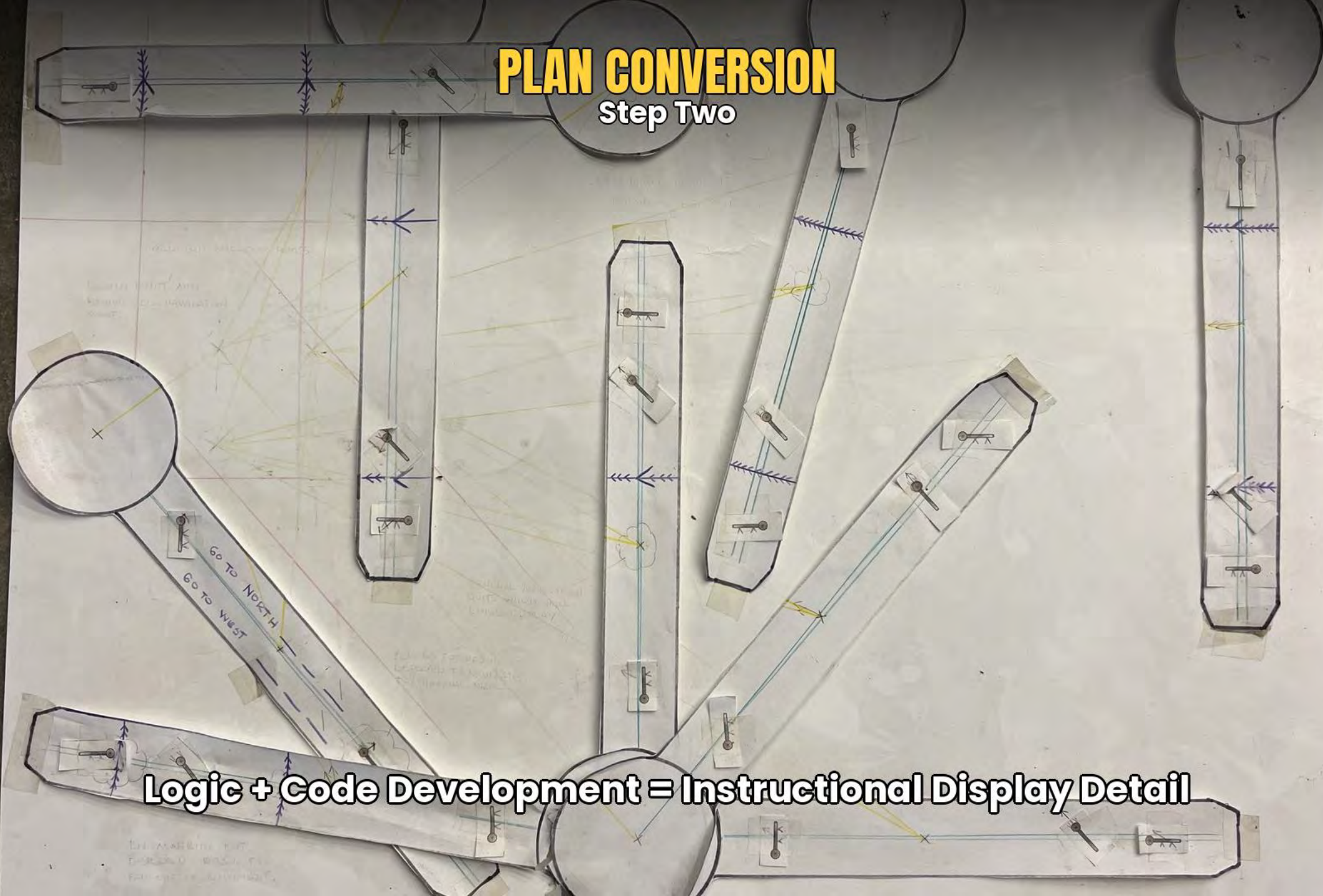


Instructions + Concerns = Plan Conversion



PLAN CONVERSION

Step Two



Logic + Code Development = Instructional Display Detail

PLAN CONVERSION

Step One

- (R) FOLLOWED BY NUMERIC TABLE SEARCH TO " " NUMERIC CHARACTERS PRECEEDING " " "
- (N), (E), (S), (W) FOLLOWED BY NUMERIC TABLE SEARCH
- C
- B

CODE SEPERATION TABLE.

WALL TYPE	LABELS	NUMBERS
1	ANW TABU	PERV
2	W	W
3	B	W
4		W

CODE BEARINGS : DETAIL TABLE

Position	BEARING	LINE	RULER	POINT	ADJUST	NAVIGATION	TYPE	TYPE	TYPE
1									
2									
3									
4									

CODE SEPERATION : DETAILING.

SEPARATION OF CODE.

PULL FIRST SINGULAR CHARACTER AND IS MATCHED TO ONE OF THREE DEFINED WALL TYPES. EACH TYPE HAS INDEPENDANT PROCESSING TO ACCOUNT FOR ALL BEARINGS NO DETAILS REQUIRED.

- ☐ "E" EXTERIOR WALL, ☐ "N" (NZ) NO ZONE
- ☐ "C" CORRIDOR WALL, ☐ "P" NO ZONE
- ☐ "H" (HD) HOLD-DOV, ☐ "H" HOLD-DOV
- ☐ "U" UNIT PARTITION, ☐ "B" (BS) BACKSITE

Technology + Instructions = Logic Formation

DATA BASES

RULER SYMBOLS / BEARING MARK

NAVIGATION ARROWS / RULER

WALL LINES MARKING IMMEDIATE

100% RULER SYMBOLS. RULER ARROWS. WALL LINES MARKING IMMEDIATE

1.01 1.02 1.03 1.04 1.05 1.06 1.07 1.08 1.09 1.10 1.11 1.12 1.13 1.14 1.15 1.16 1.17 1.18 1.19 1.20 1.21 1.22 1.23 1.24 1.25 1.26 1.27 1.28 1.29 1.30 1.31 1.32 1.33 1.34 1.35 1.36 1.37 1.38 1.39 1.40 1.41 1.42 1.43 1.44 1.45 1.46 1.47 1.48 1.49 1.50 1.51 1.52 1.53 1.54 1.55 1.56 1.57 1.58 1.59 1.60 1.61 1.62 1.63 1.64 1.65 1.66 1.67 1.68 1.69 1.70 1.71 1.72 1.73 1.74 1.75 1.76 1.77 1.78 1.79 1.80 1.81 1.82 1.83 1.84 1.85 1.86 1.87 1.88 1.89 1.90 1.91 1.92 1.93 1.94 1.95 1.96 1.97 1.98 1.99 2.00 2.01 2.02 2.03 2.04 2.05 2.06 2.07 2.08 2.09 2.10 2.11 2.12 2.13 2.14 2.15 2.16 2.17 2.18 2.19 2.20 2.21 2.22 2.23 2.24 2.25 2.26 2.27 2.28 2.29 2.30 2.31 2.32 2.33 2.34 2.35 2.36 2.37 2.38 2.39 2.40 2.41 2.42 2.43 2.44 2.45 2.46 2.47 2.48 2.49 2.50 2.51 2.52 2.53 2.54 2.55 2.56 2.57 2.58 2.59 2.60 2.61 2.62 2.63 2.64 2.65 2.66 2.67 2.68 2.69 2.70 2.71 2.72 2.73 2.74 2.75 2.76 2.77 2.78 2.79 2.80 2.81 2.82 2.83 2.84 2.85 2.86 2.87 2.88 2.89 2.90 2.91 2.92 2.93 2.94 2.95 2.96 2.97 2.98 2.99 3.00 3.01 3.02 3.03 3.04 3.05 3.06 3.07 3.08 3.09 3.10 3.11 3.12 3.13 3.14 3.15 3.16 3.17 3.18 3.19 3.20 3.21 3.22 3.23 3.24 3.25 3.26 3.27 3.28 3.29 3.30 3.31 3.32 3.33 3.34 3.35 3.36 3.37 3.38 3.39 3.40 3.41 3.42 3.43 3.44 3.45 3.46 3.47 3.48 3.49 3.50 3.51 3.52 3.53 3.54 3.55 3.56 3.57 3.58 3.59 3.60 3.61 3.62 3.63 3.64 3.65 3.66 3.67 3.68 3.69 3.70 3.71 3.72 3.73 3.74 3.75 3.76 3.77 3.78 3.79 3.80 3.81 3.82 3.83 3.84 3.85 3.86 3.87 3.88 3.89 3.90 3.91 3.92 3.93 3.94 3.95 3.96 3.97 3.98 3.99 4.00 4.01 4.02 4.03 4.04 4.05 4.06 4.07 4.08 4.09 4.10 4.11 4.12 4.13 4.14 4.15 4.16 4.17 4.18 4.19 4.20 4.21 4.22 4.23 4.24 4.25 4.26 4.27 4.28 4.29 4.30 4.31 4.32 4.33 4.34 4.35 4.36 4.37 4.38 4.39 4.40 4.41 4.42 4.43 4.44 4.45 4.46 4.47 4.48 4.49 4.50 4.51 4.52 4.53 4.54 4.55 4.56 4.57 4.58 4.59 4.60 4.61 4.62 4.63 4.64 4.65 4.66 4.67 4.68 4.69 4.70 4.71 4.72 4.73 4.74 4.75 4.76 4.77 4.78 4.79 4.80 4.81 4.82 4.83 4.84 4.85 4.86 4.87 4.88 4.89 4.90 4.91 4.92 4.93 4.94 4.95 4.96 4.97 4.98 4.99 5.00 5.01 5.02 5.03 5.04 5.05 5.06 5.07 5.08 5.09 5.10 5.11 5.12 5.13 5.14 5.15 5.16 5.17 5.18 5.19 5.20 5.21 5.22 5.23 5.24 5.25 5.26 5.27 5.28 5.29 5.30 5.31 5.32 5.33 5.34 5.35 5.36 5.37 5.38 5.39 5.40 5.41 5.42 5.43 5.44 5.45 5.46 5.47 5.48 5.49 5.50 5.51 5.52 5.53 5.54 5.55 5.56 5.57 5.58 5.59 5.60 5.61 5.62 5.63 5.64 5.65 5.66 5.67 5.68 5.69 5.70 5.71 5.72 5.73 5.74 5.75 5.76 5.77 5.78 5.79 5.80 5.81 5.82 5.83 5.84 5.85 5.86 5.87 5.88 5.89 5.90 5.91 5.92 5.93 5.94 5.95 5.96 5.97 5.98 5.99 6.00 6.01 6.02 6.03 6.04 6.05 6.06 6.07 6.08 6.09 6.10 6.11 6.12 6.13 6.14 6.15 6.16 6.17 6.18 6.19 6.20 6.21 6.22 6.23 6.24 6.25 6.26 6.27 6.28 6.29 6.30 6.31 6.32 6.33 6.34 6.35 6.36 6.37 6.38 6.39 6.40 6.41 6.42 6.43 6.44 6.45 6.46 6.47 6.48 6.49 6.50 6.51 6.52 6.53 6.54 6.55 6.56 6.57 6.58 6.59 6.60 6.61 6.62 6.63 6.64 6.65 6.66 6.67 6.68 6.69 6.70 6.71 6.72 6.73 6.74 6.75 6.76 6.77 6.78 6.79 6.80 6.81 6.82 6.83 6.84 6.85 6.86 6.87 6.88 6.89 6.90 6.91 6.92 6.93 6.94 6.95 6.96 6.97 6.98 6.99 7.00 7.01 7.02 7.03 7.04 7.05 7.06 7.07 7.08 7.09 7.10 7.11 7.12 7.13 7.14 7.15 7.16 7.17 7.18 7.19 7.20 7.21 7.22 7.23 7.24 7.25 7.26 7.27 7.28 7.29 7.30 7.31 7.32 7.33 7.34 7.35 7.36 7.37 7.38 7.39 7.40 7.41 7.42 7.43 7.44 7.45 7.46 7.47 7.48 7.49 7.50 7.51 7.52 7.53 7.54 7.55 7.56 7.57 7.58 7.59 7.60 7.61 7.62 7.63 7.64 7.65 7.66 7.67 7.68 7.69 7.70 7.71 7.72 7.73 7.74 7.75 7.76 7.77 7.78 7.79 7.80 7.81 7.82 7.83 7.84 7.85 7.86 7.87 7.88 7.89 7.90 7.91 7.92 7.93 7.94 7.95 7.96 7.97 7.98 7.99 8.00 8.01 8.02 8.03 8.04 8.05 8.06 8.07 8.08 8.09 8.10 8.11 8.12 8.13 8.14 8.15 8.16 8.17 8.18 8.19 8.20 8.21 8.22 8.23 8.24 8.25 8.26 8.27 8.28 8.29 8.30 8.31 8.32 8.33 8.34 8.35 8.36 8.37 8.38 8.39 8.40 8.41 8.42 8.43 8.44 8.45 8.46 8.47 8.48 8.49 8.50 8.51 8.52 8.53 8.54 8.55 8.56 8.57 8.58 8.59 8.60 8.61 8.62 8.63 8.64 8.65 8.66 8.67 8.68 8.69 8.70 8.71 8.72 8.73 8.74 8.75 8.76 8.77 8.78 8.79 8.80 8.81 8.82 8.83 8.84 8.85 8.86 8.87 8.88 8.89 8.90 8.91 8.92 8.93 8.94 8.95 8.96 8.97 8.98 8.99 9.00 9.01 9.02 9.03 9.04 9.05 9.06 9.07 9.08 9.09 9.10 9.11 9.12 9.13 9.14 9.15 9.16 9.17 9.18 9.19 9.20 9.21 9.22 9.23 9.24 9.25 9.26 9.27 9.28 9.29 9.30 9.31 9.32 9.33 9.34 9.35 9.36 9.37 9.38 9.39 9.40 9.41 9.42 9.43 9.44 9.45 9.46 9.47 9.48 9.49 9.50 9.51 9.52 9.53 9.54 9.55 9.56 9.57 9.58 9.59 9.60 9.61 9.62 9.63 9.64 9.65 9.66 9.67 9.68 9.69 9.70 9.71 9.72 9.73 9.74 9.75 9.76 9.77 9.78 9.79 9.80 9.81 9.82 9.83 9.84 9.85 9.86 9.87 9.88 9.89 9.90 9.91 9.92 9.93 9.94 9.95 9.96 9.97 9.98 9.99 10.00 10.01 10.02 10.03 10.04 10.05 10.06 10.07 10.08 10.09 10.10 10.11 10.12 10.13 10.14 10.15 10.16 10.17 10.18 10.19 10.20 10.21 10.22 10.23 10.24 10.25 10.26 10.27 10.28 10.29 10.30 10.31 10.32 10.33 10.34 10.35 10.36 10.37 10.38 10.39 10.40 10.41 10.42 10.43 10.44 10.45 10.46 10.47 10.48 10.49 10.50 10.51 10.52 10.53 10.54 10.55 10.56 10.57 10.58 10.59 10.60 10.61 10.62 10.63 10.64 10.65 10.66 10.67 10.68 10.69 10.70 10.71 10.72 10.73 10.74 10.75 10.76 10.77 10.78 10.79 10.80 10.81 10.82 10.83 10.84 10.85 10.86 10.87 10.88 10.89 10.90 10.91 10.92 10.93 10.94 10.95 10.96 10.97 10.98 10.99 11.00 11.01 11.02 11.03 11.04 11.05 11.06 11.07 11.08 11.09 11.10 11.11 11.12 11.13 11.14 11.15 11.16 11.17 11.18 11.19 11.20 11.21 11.22 11.23 11.24 11.25 11.26 11.27 11.28 11.29 11.30 11.31 11.32 11.33 11.34 11.35 11.36 11.37 11.38 11.39 11.40 11.41 11.42 11.43 11.44 11.45 11.46 11.47 11.48 11.49 11.50 11.51 11.52 11.53 11.54 11.55 11.56 11.57 11.58 11.59 11.60 11.61 11.62 11.63 11.64 11.65 11.66 11.67 11.68 11.69 11.70 11.71 11.72 11.73 11.74 11.75 11.76 11.77 11.78 11.79 11.80 11.81 11.82 11.83 11.84 11.85 11.86 11.87 11.88 11.89 11.90 11.91 11.92 11.93 11.94 11.95 11.96 11.97 11.98 11.99 12.00 12.01 12.02 12.03 12.04 12.05 12.06 12.07 12.08 12.09 12.10 12.11 12.12 12.13 12.14 12.15 12.16 12.17 12.18 12.19 12.20 12.21 12.22 12.23 12.24 12.25 12.26 12.27 12.28 12.29 12.30 12.31 12.32 12.33 12.34 12.35 12.36 12.37 12.38 12.39 12.40 12.41 12.42 12.43 12.44 12.45 12.46 12.47 12.48 12.49 12.50 12.51 12.52 12.53 12.54 12.55 12.56 12.57 12.58 12.59 12.60 12.61 12.62 12.63 12.64 12.65 12.66 12.67 12.68 12.69 12.70 12.71 12.72 12.73 12.74 12.75 12.76 12.77 12.78 12.79 12.80 12.81 12.82 12.83 12.84 12.85 12.86 12.87 12.88 12.89 12.90 12.91 12.92 12.93 12.94 12.95 12.96 12.97 12.98 12.99 13.00 13.01 13.02 13.03 13.04 13.05 13.06 13.07 13.08 13.09 13.10 13.11 13.12 13.13 13.14 13.15 13.16 13.17 13.18 13.19 13.20 13.21 13.22 13.23 13.24 13.25 13.26 13.27 13.28 13.29 13.30 13.31 13.32 13.33 13.34 13.35 13.36 13.37 13.38 13.39 13.40 13.41 13.42 13.43 13.44 13.45 13.46 13.47 13.48 13.49 13.50 13.51 13.52 13.53 13.54 13.55 13.56 13.57 13.58 13.59 13.60 13.61 13.62 13.63 13.64 13.65 13.66 13.67 13.68 13.69 13.70 13.71 13.72 13.73 13.74 13.75 13.76 13.77 13.78 13.79 13.80 13.81 13.82 13.83 13.84 13.85 13.86 13.87 13.88 13.89 13.90 13.91 13.92 13.93 13.94 13.95 13.96 13.97 13.98 13.99 14.00 14.01 14.02 14.03 14.04 14.05 14.06 14.07 14.08 14.09 14.10 14.11 14.12 14.13 14.14 14.15 14.16 14.17 14.18 14.19 14.20 14.21 14.22 14.23 14.24 14.25 14.26 14.27 14.28 14.29 14.30 14.31 14.32 14.33 14.34 14.35 14.36 14.37 14.38 14.39 14.40 14.41 14.42 14.43 14.44 14.45 14.46 14.47 14.48 14.49 14.50 14.51 14.52 14.53 14.54 14.55 14.56 14.57 14.58 14.59 14.60 14.61 14.62 14.63 14.64 14.65 14.66 14.67 14.68 14.69 14.70 14.71 14.72 14.73 14.74 14.75 14.76 14.77 14.78 14.79 14.80 14.81 14.82 14.83 14.84 14.85 14.86 14.87 14.88 14.89 14.90 14.91 14.92 14.93 14.94 14.95 14.96 14.97 14.98 14.99 15.00 15.01 15.02 15.03 15.04 15.05 15.06 15.07 15.08 15.09 15.10 15.11 15.12 15.13 15.14 15.15 15.16 15.17 15.18 15.19 15.20 15.21 15.22 15.23 15.24 15.25 15.26 15.27 15.28 15.29 15.30 15.31 15.32 15.33 15.34 15.35 15.36 15.37 15.38 15.39 15.40 15.41 15.42 15.43 15.44 15.45 15.46 15.47 15.48 15.49 15.50 15.51 15.52 15.53 15.54 15.55 15.56 15.57 15.58 15.59 15.60 15.61 15.62 15.63 15.64 15.65 15.66 15.67 15.68 15.69 15.70 15.71 15.72 15.73 15.74 15.75 15.76 15.77 15.78 15.79 15.80 15.81 15.82 15.83 15.84 15.85 15.86 15.87 15.88 15.89 15.90 15.91 15.92 15.93 15.94 15.95 15.96 15.97 15.98 15.99 16.00 16.01 16.02 16.03 16.04 16.05 16.06 16.07 16.08 16.09 16.10 16.11 16.12 16.13 16.14 16.15 16.16 16.17 16.18 16.19 16.20 16.21 16.22 16.23 16.24 16.25 16.26 16.27 16.28 16.29 16.30 16.31 16.32 16.33 16.34 16.35 16.36 16.37 16.38 16.39 16.40 16.41 16.42 16.43 16.44 16.45 16.46 16.47 16.48 16.49 16.50 16.51 16.52 16.53 16.54 16.55 16.56 16.57 16.58 16.59 16.60 16.61 16.62 16.63 16.64 16.65 16.66 16.67 16.68 16.69 16.70 16.71 16.72 16.73 16.74 16.75 16.76 16.77 16.78 16.79 16.80 16.81 16.82 16.83 16.84 16.85 16.86 16.87 16.88 16.89 16.90 16.91 16.92 16.93 16.94 16.95 16.96 16.97 16.98 16.99 17.00 17.01 17.02 17.03 17.04 17.05 17.06 17.07 17.08 17.09 17.10 17.11 17.12 17.13 17.14 17.15 17.16 17.17 17.18 17.19 17.20 17.21 17.22 17.23 17.24 17.25 17.26 17.27 17.28 17.29 17.30 17.31 17.32 17.33 17.34 17.35 17.36 17.37 17.38 17.39 17.40 17.41 17.42 17.43 17.44 17.45 17.46 17.47 17.48 17.49 17.50 17.51 17.52 17.53 17.54 17.55 17.56 17.57 17.58 17.59 17.60 17.61 17.62 17.63 17.64 17.65 17.66 17.67 17.68 17.69 17.70 17.71 17.72 17.73 17.74 17.75 17.76 17.77 17.78 17.79 17.80 17.81 17.82 17.83 17.84 17.85 17.86 17.87 17.88 17.89 17.90 17.91 17.92 17.93 17.94 17.95 17.96 17.97 17.98 17.99 18.00 18.01 18.02 18.03 18.04 18.05 18.06 18.07 18.08 18.09 18.10 18.11 18.12 18.13 18.14 18.15 18.16 18.17 18.18 18.19 18.20 18.21 18.22 18.23 18.24 18.25 18.26 18.27 18.28 18.29 18.30 18.31 18.32 18.33 18.34 18.35 18.36 18.37 18.38 18.39 18.40 18.41 18.42 18.43 18.44 18.45 18.46 18.47 18.48 18.49 18.50 18.51 18.52 18.53 18.54 18.55 18.56 18.57 18.58 18.59 18.60 18.61 18.62 18.63 18.64 18.65 18.66 18.67 18.68 18.69 18.70 18.71 18.72 18.73 18.74 18.75 18.76 18.77 18.78 18.79 18.80 18.81 18.82 18.83 18.84 18.85 18.86 18.87 18.88 18.89 18.90 18.91 18.92 18.93 18.94 18.95 18.96 18.97 18.98 18.99 19.00 19.01 19.02 19.03 19.04 19.05 19.06 19.07 19.08 19.09 19.10 19.11 19.12 19.13 19.14 19.15 19.16 19.17 19.18 19.19 19.20 19.21 19.22 19.23 19.24 19.25 19.26 19.27 19.28 19.29 19.30 19.31 19.32 19.33 19.34 19.35 19.36 19.37 19.38 19.39 19.40 19.41 19.42 19.43 19.44 19.45 19.46 19.47 19.48 19.49 19.50 19.51 19.52 19.53 19.54 19.55 19.56 19.57 19.58 19.59 19.60 19.61 19.62 19.63 19.64 19.65 19.66 19.67 19.68 19.69 19.70 19.71 19.72 19.73 19.74 19.75 19.76 19.77 19.78 19.79 19.80 19.81 19.82 19.83 19.84 19.85 19.86 19.87 19.88 19.89 19.90 19.91 19.92 19.93 19.94 19.95 19.96 19.97 19.98 19.99 20.00 20.01 20.02 20.03 20.04 20.05 20.06 20.07 20.08 20.09 20.10 20.11 20.12 20.13 20.14 20.15 20.16 20.17 20.18 20.19 20.20 20.21 20.22 20.23 20.24 20.25 20.26 20.27 20.28 20.29 20.30 20.31 20.32 20.33 20.34 20.35 20.36 20.37 20.38 20.39 20.40 20.41 20.42 20.43 20.44 20.45 20.46 20.47 20.48 20.49 20.50 20.51 20.52 20.53 20.54 20.55 20.56 20.57 20.58 20.59 20.60 20.61 20.62 20.63 20.64 20.65 20.66 20.67 20.68 20.69 20.70 20.71 20.72 20.73 20.74 20.75 20.76 20.77 20.78 20.79 20.80 20.81 20.82 20.83 20.84 20.85 20.86 20.87 20.88 20.89 20.90 20.91 20.92 20.93 20.94 20.95 20.9

PLAN CONVERSION

Step Three

WHO KNEW

One page of instructions — detailing the layout practice of an experienced tradesman — required more than 3,500 pages of code detail to replicate the skill as practiced.



Code Development + Display Detail = Prototype

Every detail for the concern being put to the test.

2020 – 2023

FROM OUR EXPERIENCE
AND THE PAIN
THAT GOES WITH IT. ?

WASN'T
EASY ENOUGH. ?

GIVING UP
TRYING TO TEACH. ?

PULLING OUT
THE SAME TOOLS. ?

STILL STUCK DOING?
ALL THE LAYOUT.

RIGHT BACK
TO SQUARE ONE. ?



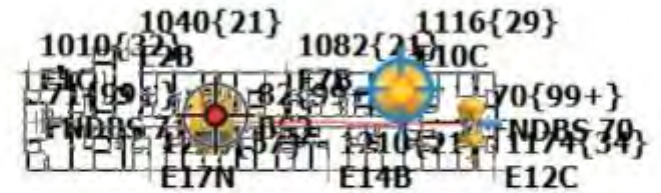


SECTION 2

Arnel's Section



Plans as the Foundation



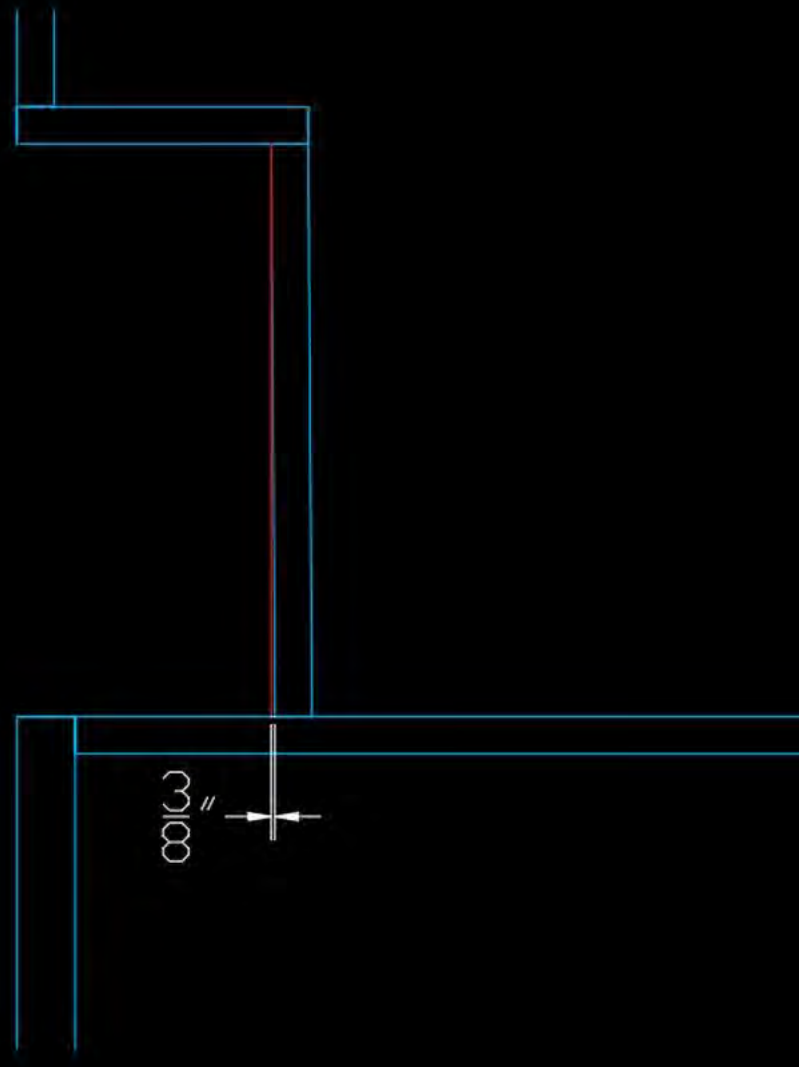
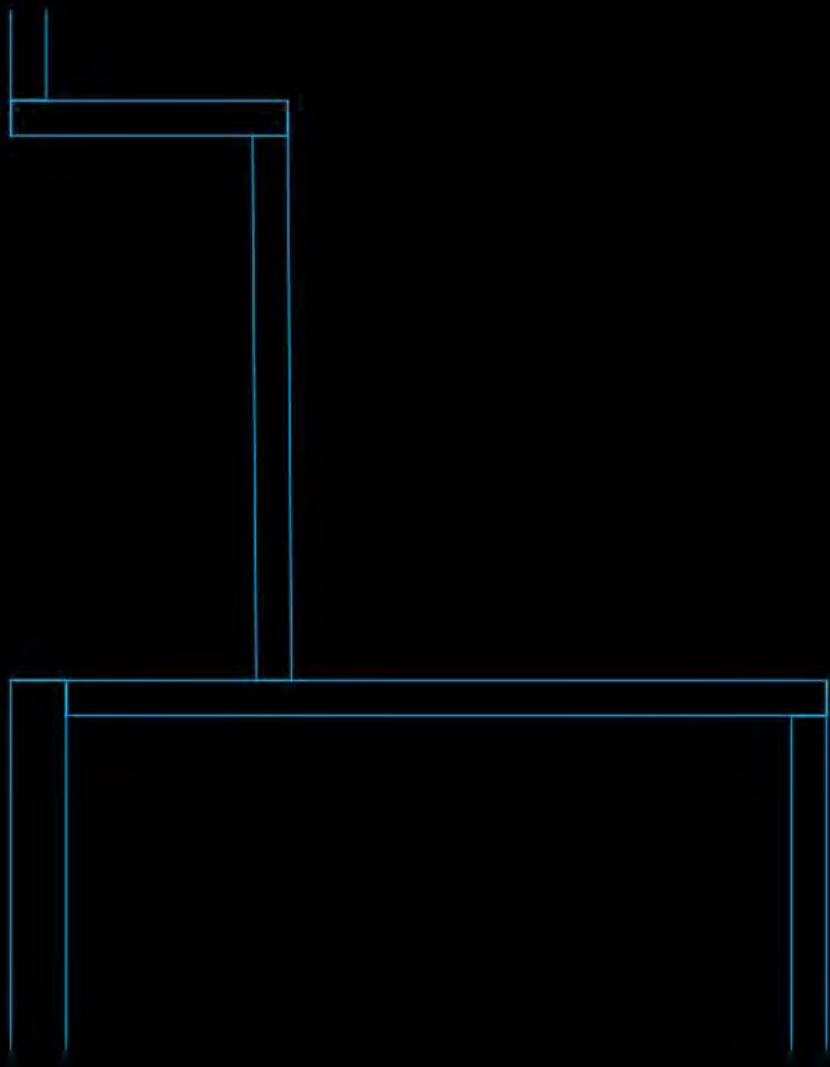
Code **U10W**

Go North 16'4"3/8

Go East 114'7"15/16

Pt: 1800

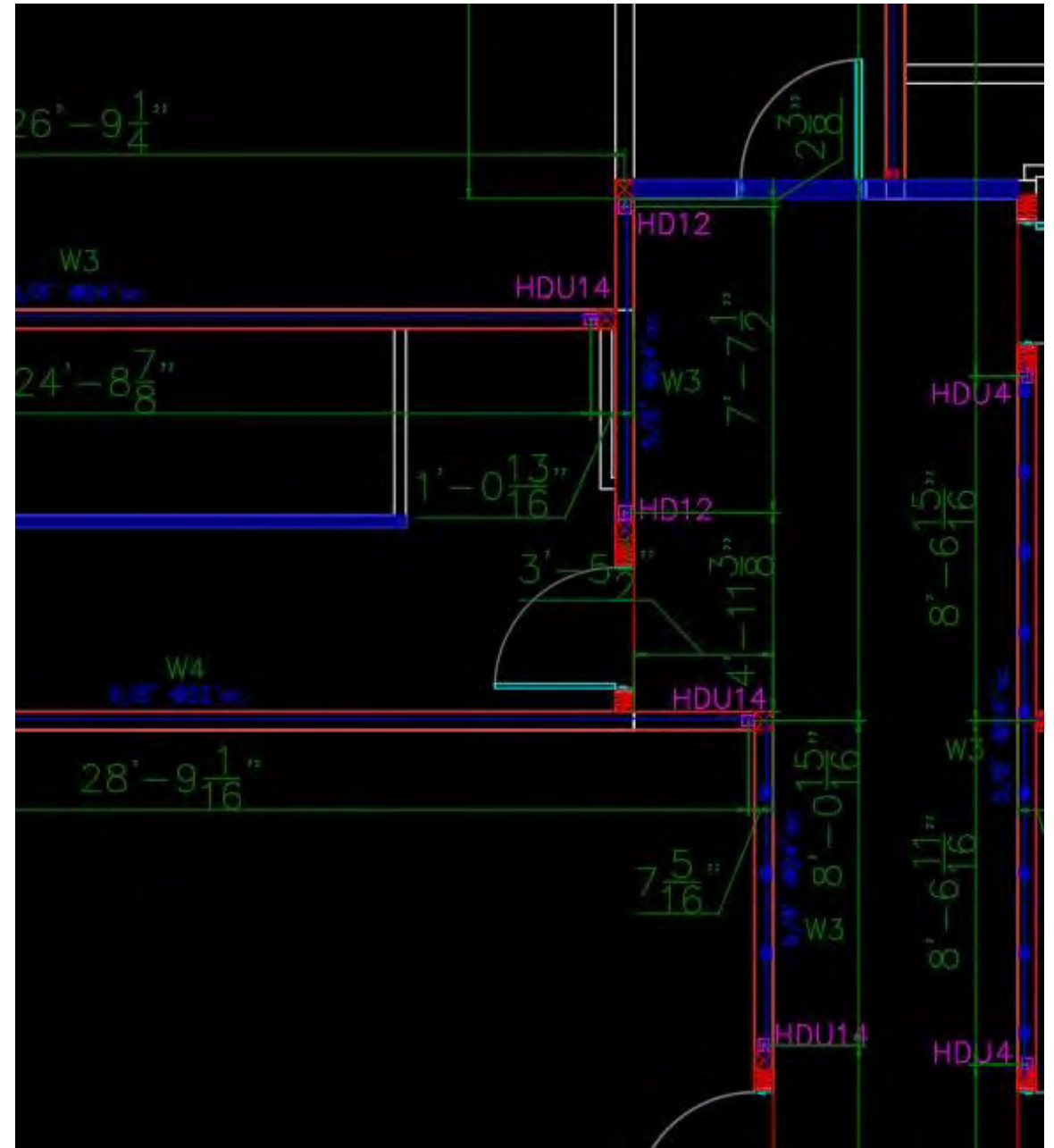




Overlapping Panel



Hardware Called Out on Plans



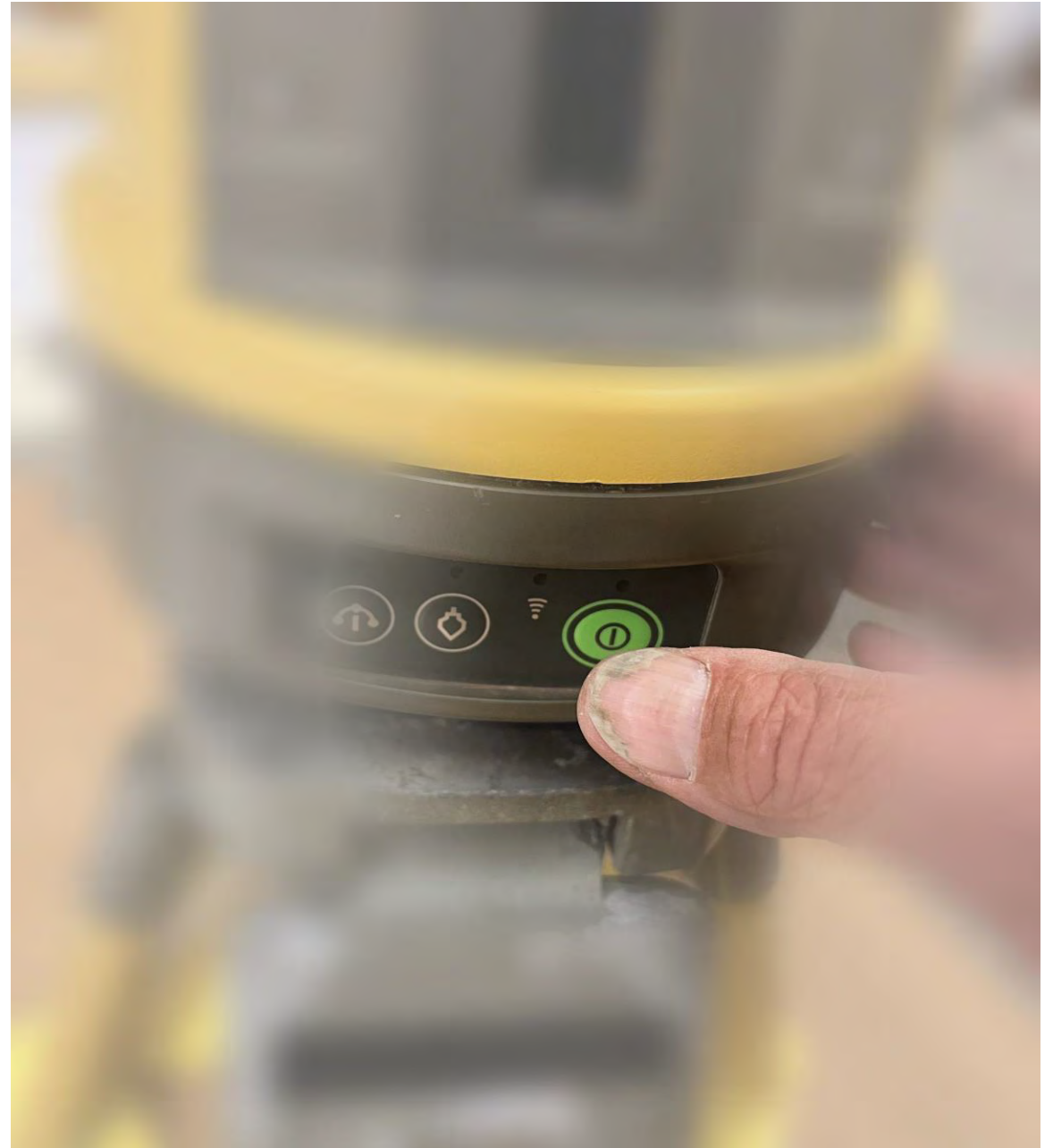


SECTION 3

Transition Into the 13 Items



The Partnership



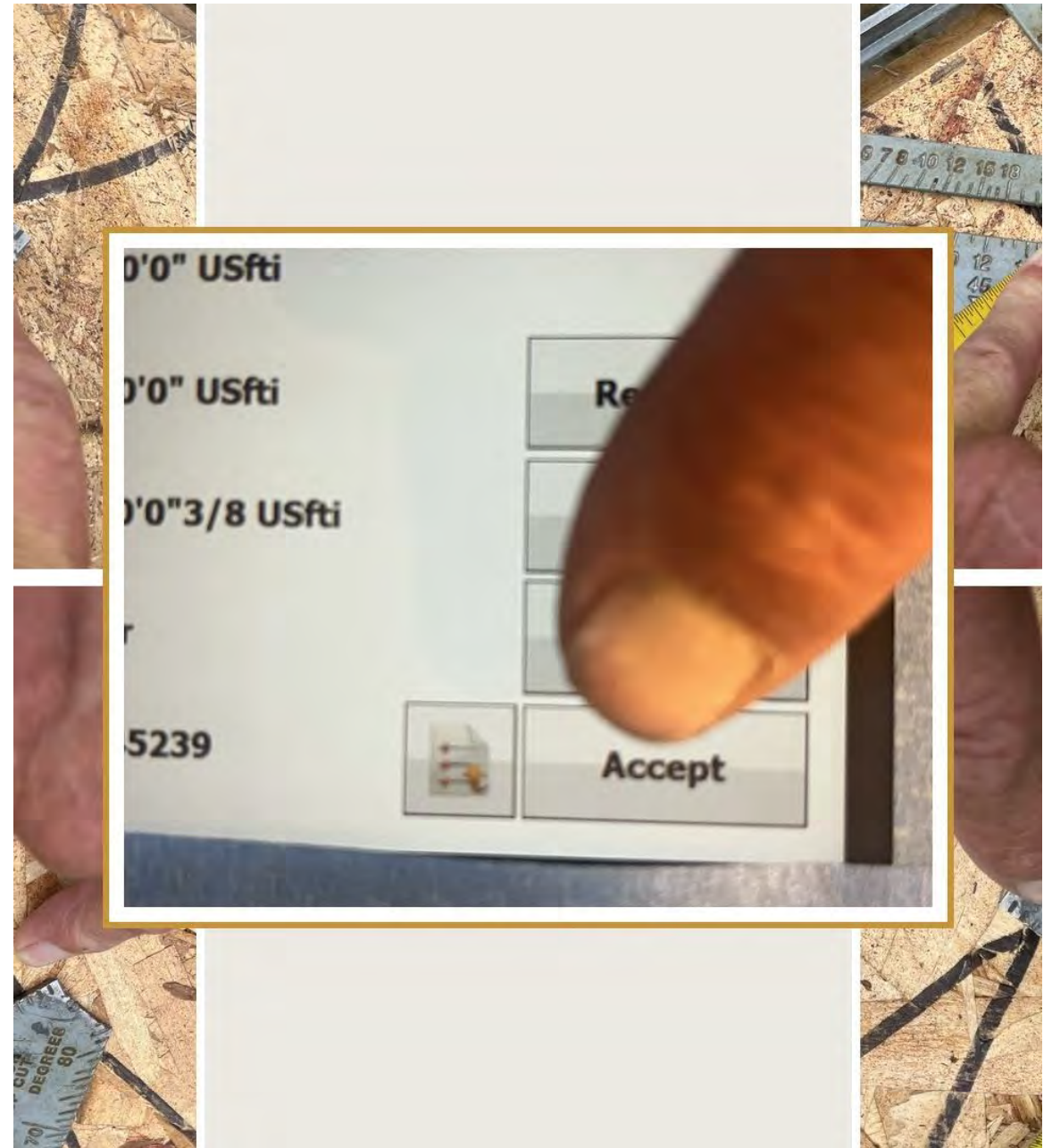


SECTION 4

The 13 Framework Items



Items 1 & 2 — Site Setup and Control



Know The Source of Acquiring Accuracy Responsibilities

Tutorials

Setup - Backsight

Setup - Resection upper levels

Stake - Points

Survey - Topo

Setup - Resection Ground Level

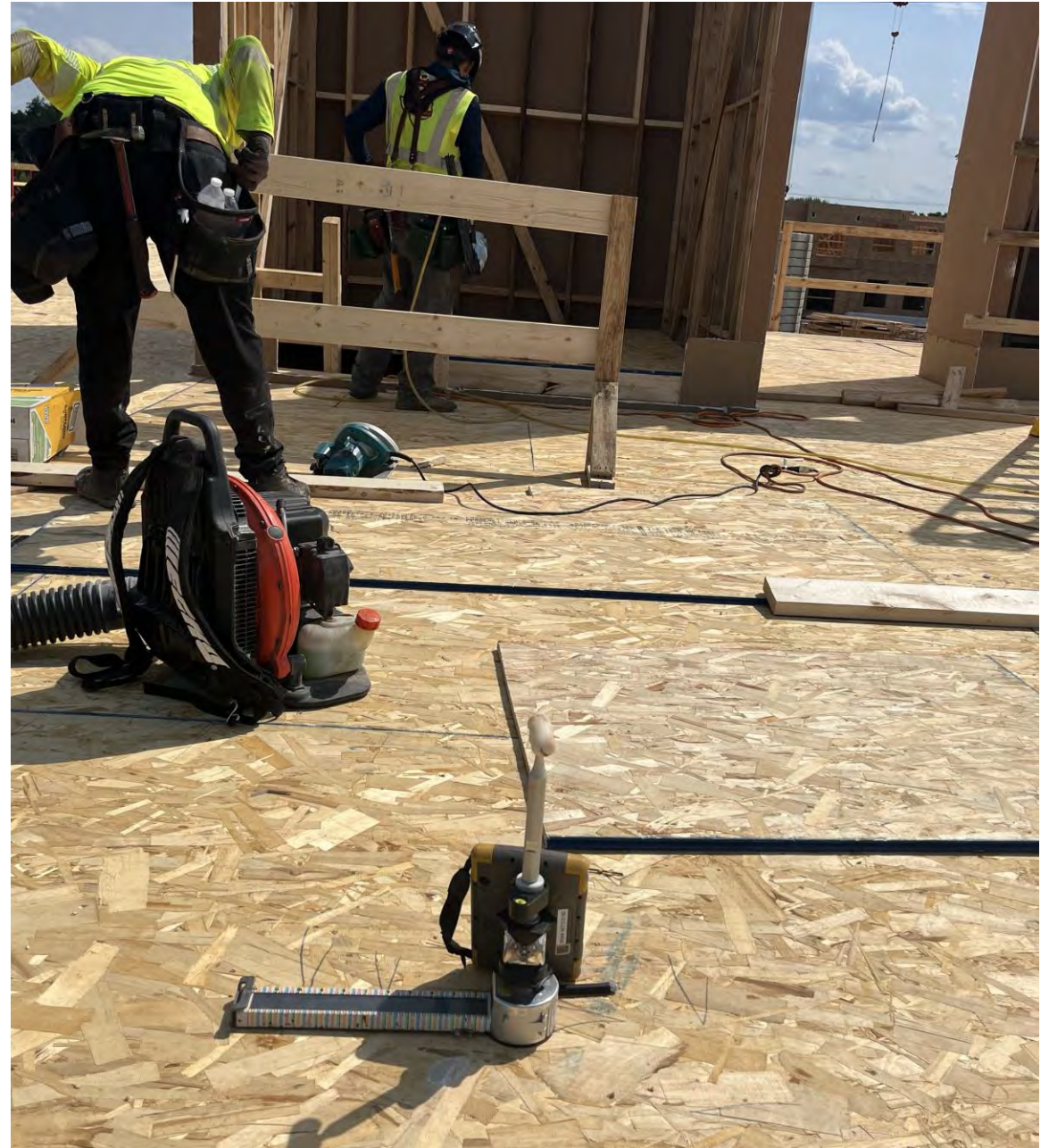




Items 5, 11 & 12 — Physical Obstacles



Items 5, 11 & 12 — Physical Obstacles

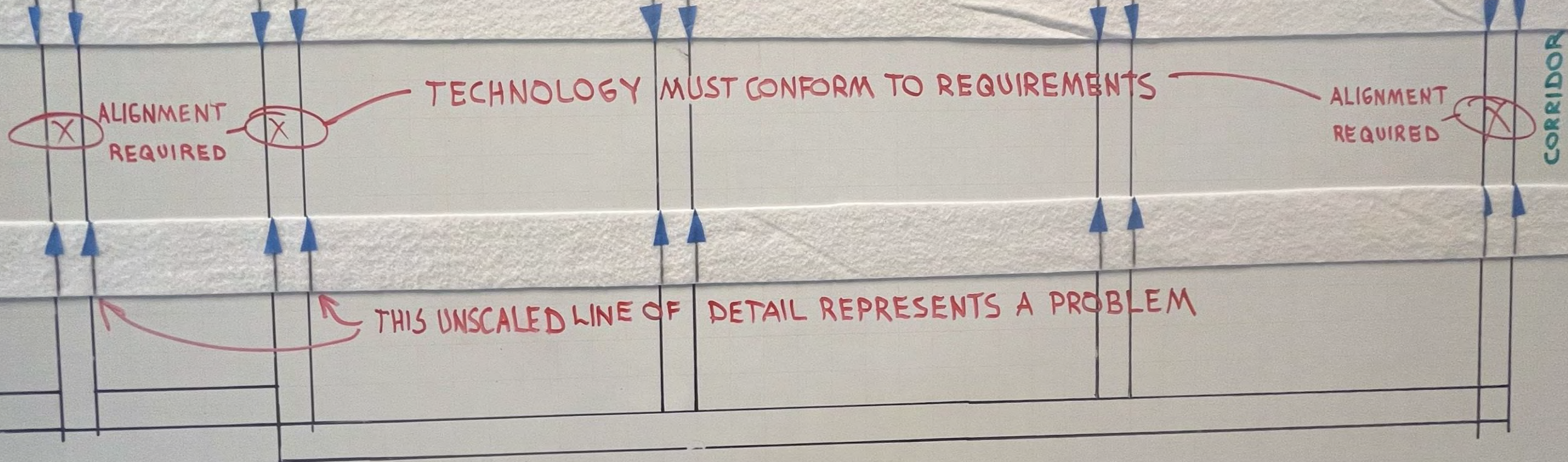




BUILDING EXPANSION

OUR MANUAL PRACTICE FORMS ALIGNMENTS

STAIRWAY
SHAFT



ALIGNMENT
REQUIRED

CORRIDOR

THIS UNSCALED LINE OF DETAIL REPRESENTS A PROBLEM

Items 9 & 10 — Fragmented and Time Critical



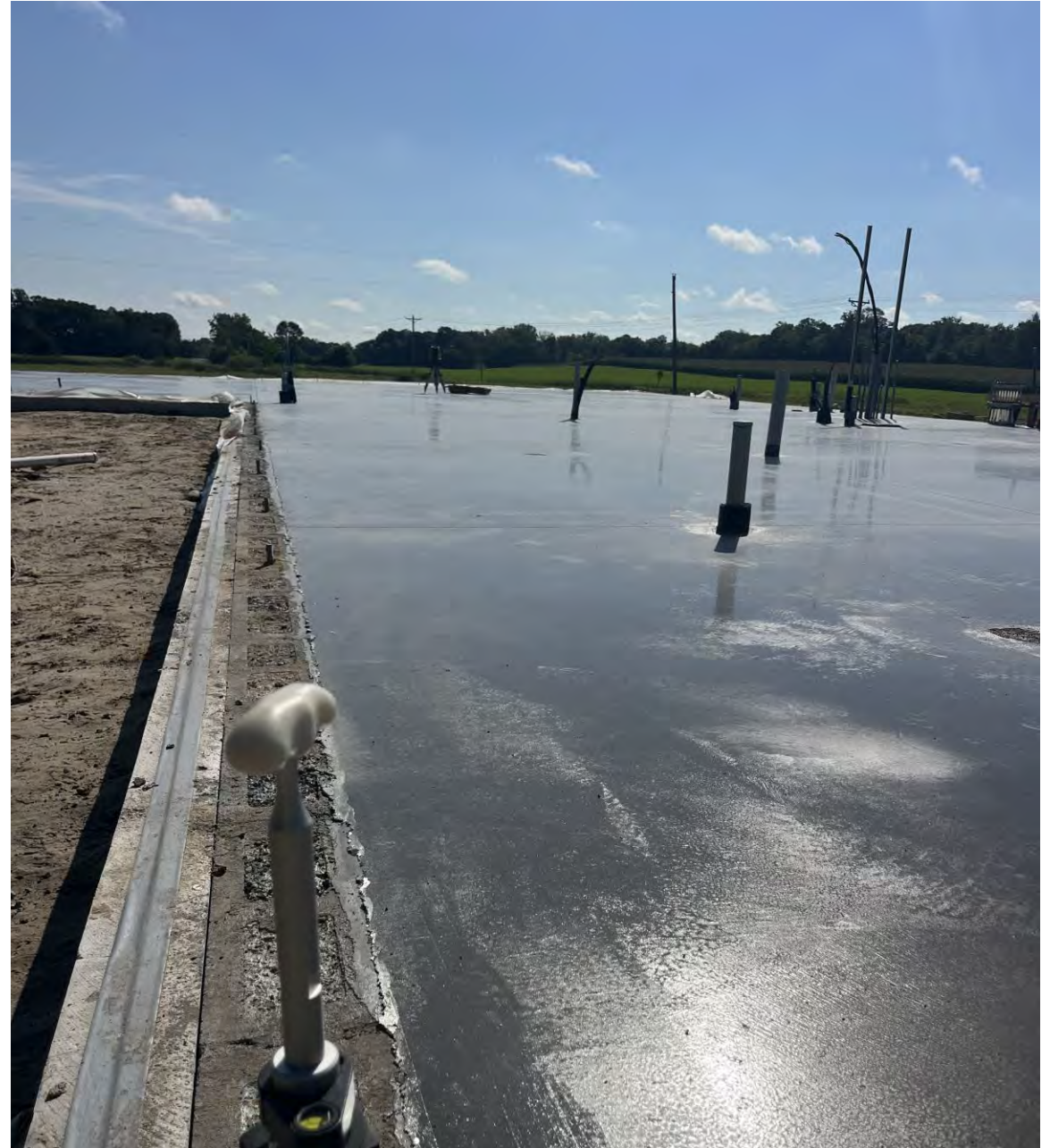
Items 9 & 10 — Fragmented and Time Critical



Items 9 & 10 — Fragmented and Time Critical



Item 13 — Unconsidered Conditions







SECTION 5

What does your job site add to this list?





SECTION 6

Session Close







The Future of the Framing Trade

Begins with knowing what you already know





Q&A

Education Session
Evaluation

SCAN HERE



BCMC

PRESENTED BY: **SBCA**



FRAMER SUMMIT

AT **BCMC**