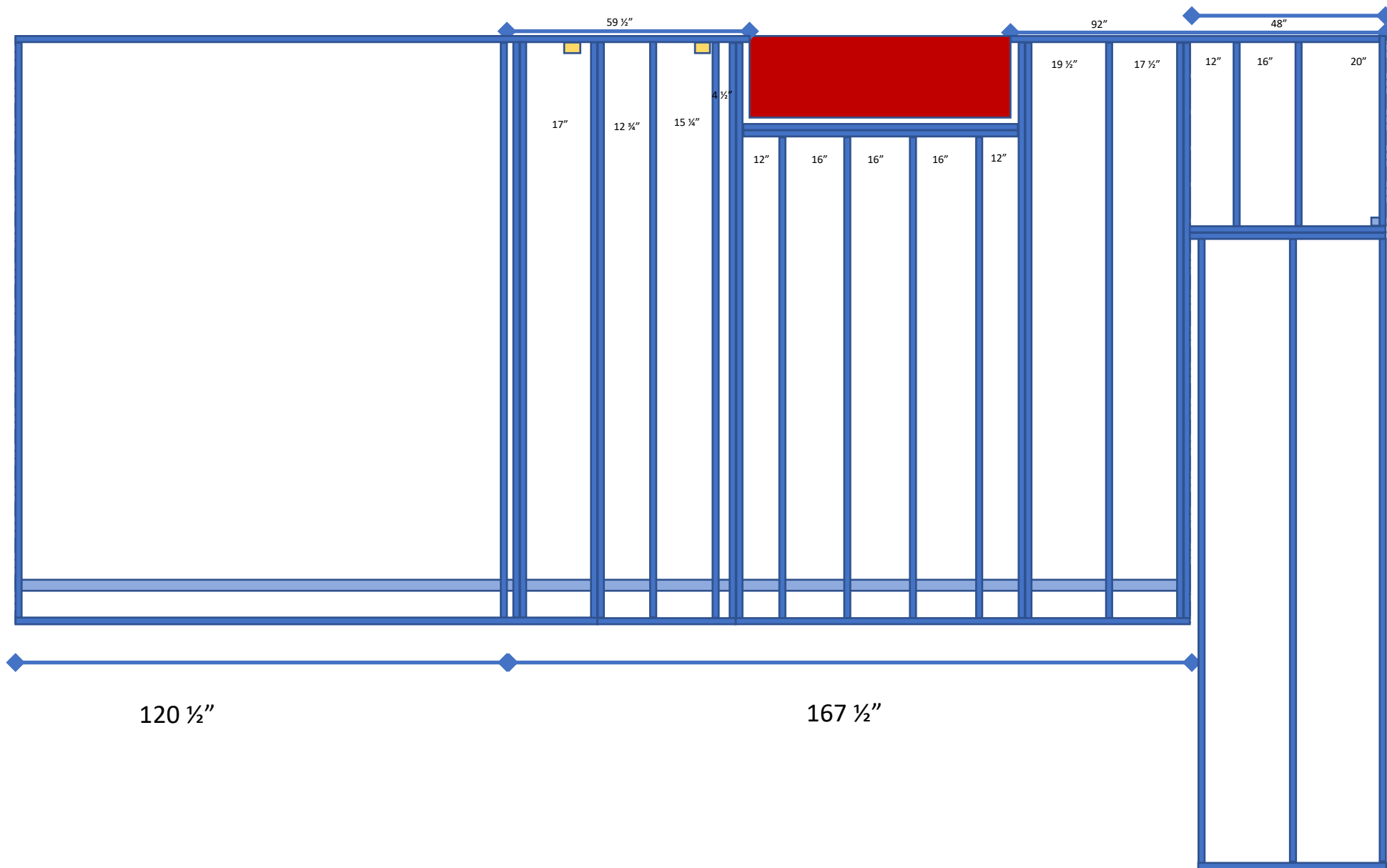




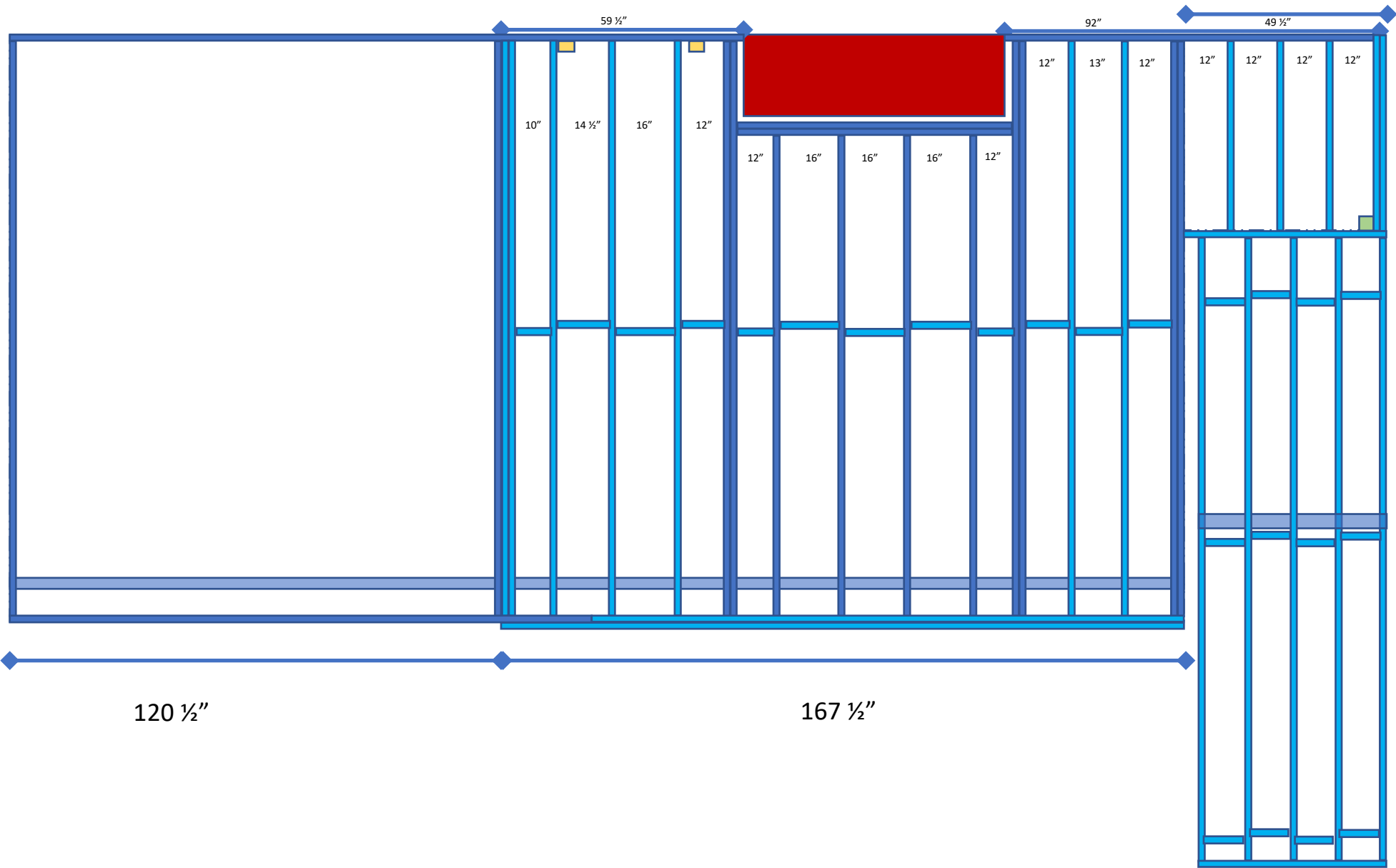




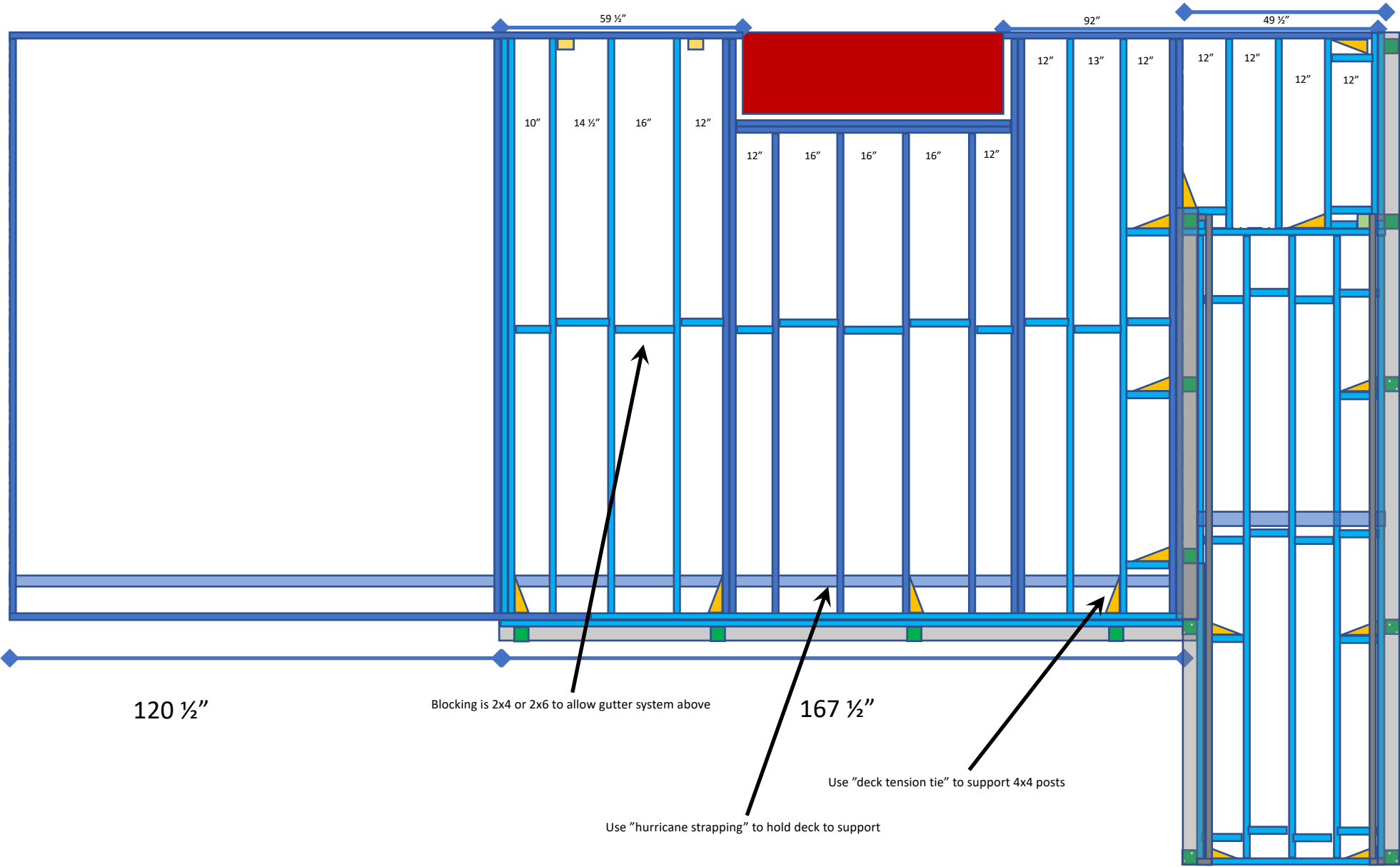
Original Deck

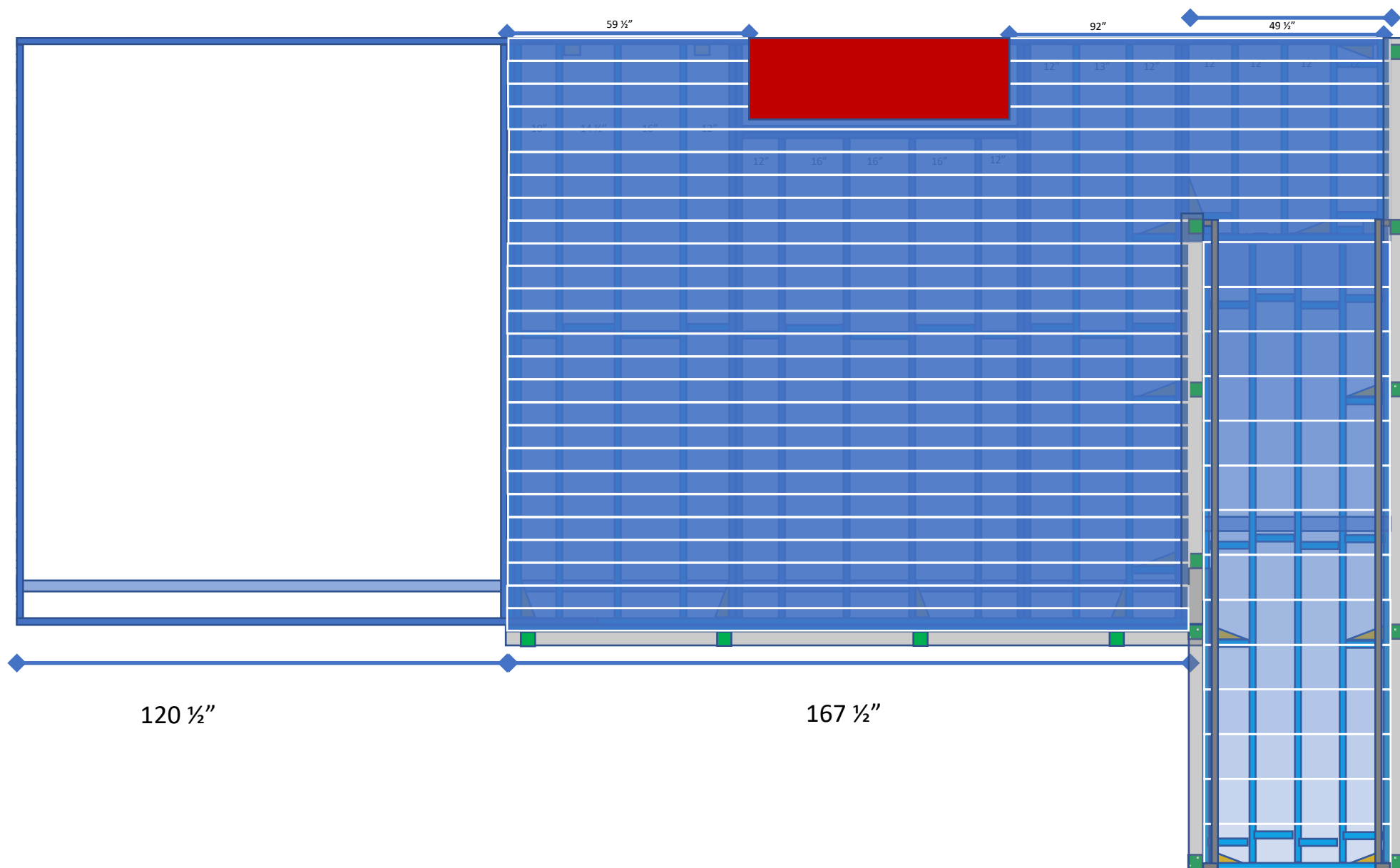


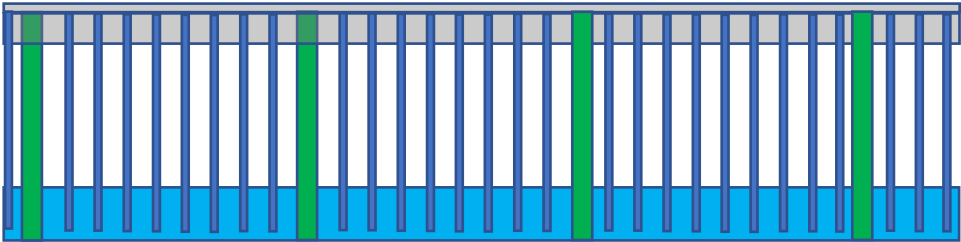
Restructured, changes in light blue



Restructured w/ railing and additional structural hardware







Input:

Total Rise [A] (ex: 56.75) (in)

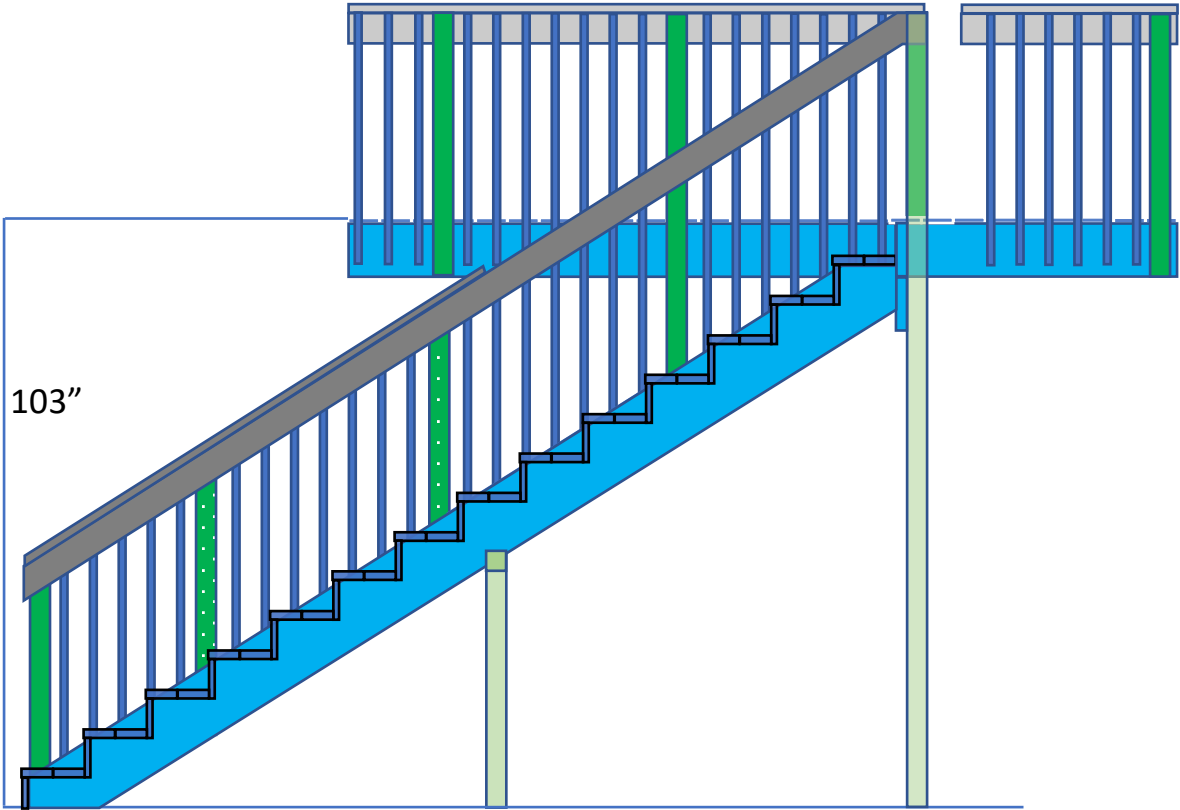
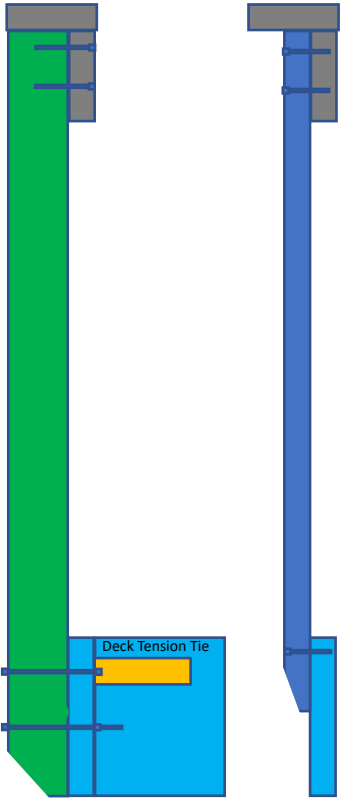
Target Step Height [F] (in)

Tread Thickness [C] (in)

Tread Depth [B] (in)

Stair Results:

	(fraction)	(decimal)
Number of Steps (risers)	15	
Steps on Stringer [D]	14	
Height of First Step [E]	5 3/8	5.37
Height of Typical Step [F]	6 7/8	6.87
Stringer Placement [H]	8 3/8	8.37
Total Run [G]	154	154.00
Stringer Length	180 3/4	180.75
Stair/Rail Angle	32.0	(degrees)



Pressure Treated – Ground Contact

Blocking	2x6x8'	4	@ \$ 8.54
Joist	2x10x8'	2	@ \$14.86
Fascia	2x12x8'	1	@ \$20.63
Joist	2x10x12'	7	@ \$22.12
Rim Joist	2x10x16'	1	@ \$29.83
Fascia	2x12x16'	1	@ \$41.09
Fascia	2x4x8' (cut 2")	1	@ \$ 5.38
Stringers	2x12x16'	5	@ \$41.09
Post	4x4x8' (critical structure)	3	@ \$12.28

Cedar

Decking	5/4x6x14 – 20(+2)	22	@ \$23.39
Decking	5/4x6x18 – 6(+1)	7	@ \$29.39
Decking	2x6x8 – (28/2)(+1)	15	@ \$18.18
Rail	2x6x16 – 2	2	@ \$45.28
Rail	2x6x10 – 2+2	4	@ \$22.99
Rail	2x6x14 – 4	4	@ \$36.99
Hand Rail	4x4x16' (cut 2"x2")	1	@ \$94.39
Secondary Rail	(made from above 1 3/8)		
Hand Rail Hardware	MEN1104 – 5+5	10	@ \$12.24
Post	4x4x8' – (11/2)+(4/2)+1(+1)	10	@ \$47.15
Spindles	2x2x42"	85	@ \$ 3.08

Hardware

Deck Tension Ties	16	@ \$10.96
Joist Hangers (single)	11	@ \$ 1.86
Joist Hanger Mount (Double/Triple?)	1	@ \$
Hurricane Ties (Diamond – Single)	9	@ \$ 1.28
Hurricane Ties (Diamond – Double)	2	@ \$
Hurricane Ties (Single Sided)	2	@ \$.84
Bolts/washers/nuts (various length)	32	
Timber Screws for blocking (34*4)	136	
Deck Screws 3" (13*2*26)+(4*2*6)+(28*2*5)	1004	
Deck Screws 2 1/2"	???	

Trex RainEscape

Wall Flashing L – 3 1/2"H x 5"W x 12'L	1	
Wall Flashing L – 3 1/2"H x 5"W x 8'L	2	
Chimney Flashing Z 2 1/2"H x 7"W x 75"L	1	
Chimney Flashing Z 2 1/2"H x 7"W x 26"L	2	
Trough – 16' (brown)	12	@ \$46.63
Downspout (brown)	12	@ \$44.53
Wall Flash	1	@ \$49.31
Butyl Tape	4	@ \$66.86
Caulk	1	@ \$11.45