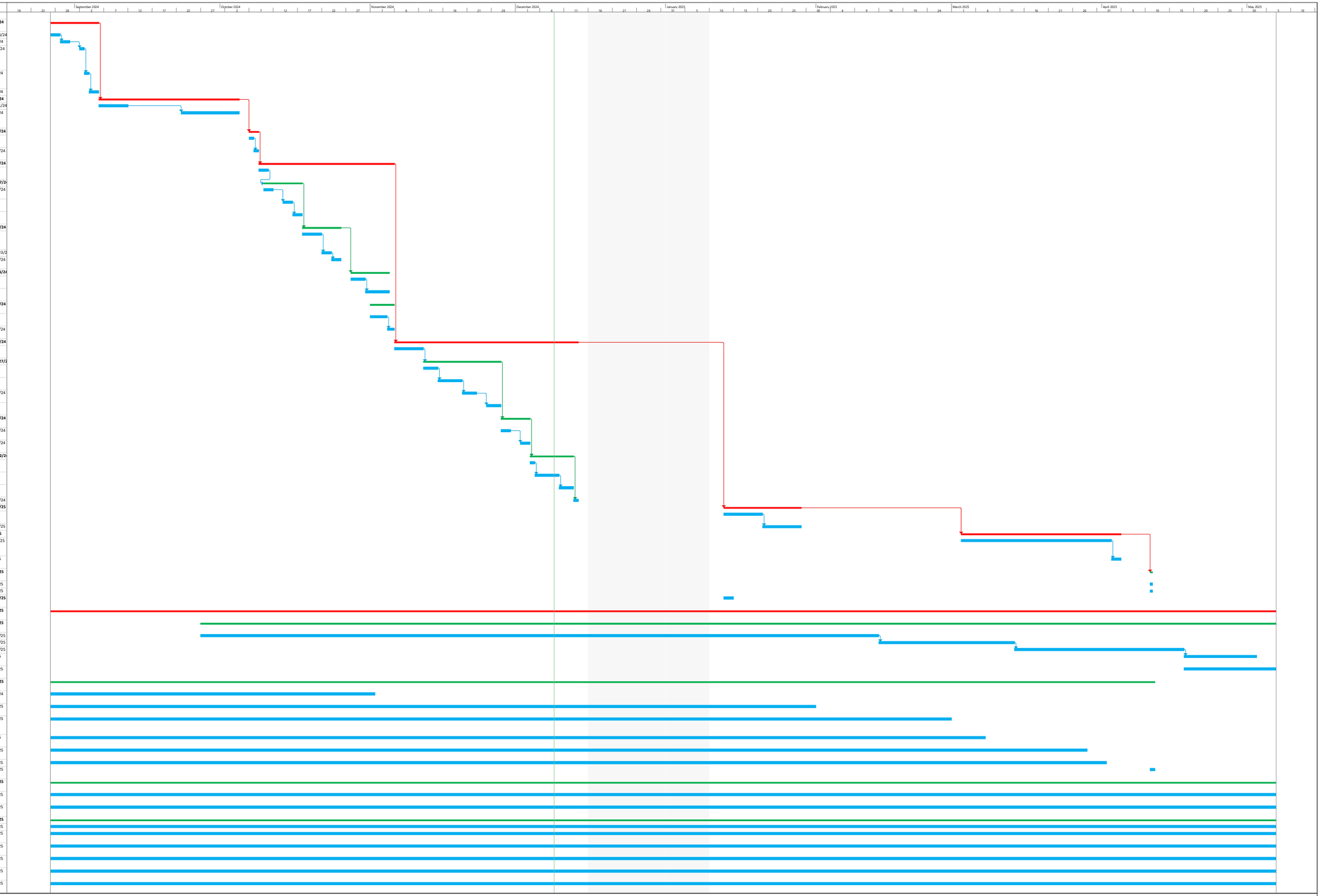
ID	Task Mode	Task Name	Duration	Start	Finish
1					
2		**Task 1: Background Research**	**8 days?**	**Tue 8/27/24**	**Thu 9/5/24**
3		1.1 Competition Rule	2 days	Tue 8/27/24	Wed 8/28/24
4		1.2 Material Research	2 days?	Thu 8/29/24	Fri 8/30/24
5		1.3 National Design Specification (NDS) and NDS Supplement for Wind Construction	1 day?	Mon 9/2/24	Mon 9/2/24
6		1.4 Special Design Provisions for Wind and Seismic	1 day?	Tue 9/3/24	Tue 9/3/24
7		1.5 Mathcad	2 days?	Wed 9/4/24	Thu 9/5/24
8		**Task 2: Preliminary Des**	**21 days**	**Fri 9/6/24**	**Fri 10/4/24**
9		2.1 Timber Selection	4 days	Fri 9/6/24	Wed 9/11/24
10		2.2 Initial Design Decisions and Design Matrix	10 days	Mon 9/23/24	Fri 10/4/24
11		**Task 3: Design and Ana**	**2 days?**	**Mon 10/7/24**	**Tue 10/8/24**
12		3.1 Determination of Gravity Loads	1 day?	Mon 10/7/24	Mon 10/7/24
13		3.2 Determination of Lateral Loads	1 day?	Tue 10/8/24	Tue 10/8/24
14		**Task 4: Roof Design**	**20 days?**	**Wed 10/9/24**	**Tue 11/5/24**
15		4.1 Roof Gravity Strength Design	2 days	Wed 10/9/24	Thu 10/10/24
16		**4.2 Diaphram Design**	**6 days**	**Thu 10/10/24**	**Thu 10/17/24**
17		4.2.1 Seismic Load and Internal Shear	2 days	Thu 10/10/24	Fri 10/11/24
18		4.2.2 Design for Strength	2 days	Mon 10/14/24	Tue 10/15/24
19		4.2.3 Design for Servicability	2 days	Wed 10/16/24	Thu 10/17/24
20		**4.3 Chord Design**	**6 days?**	**Fri 10/18/24**	**Fri 10/25/24**
21		4.3.1 Seismic Load	2 days	Fri 10/18/24	Mon 10/21/24
22		4.3.2 Design Streng	2 days	Tue 10/22/24	Wed 10/23/24
23		4.3.3 Design Servicability	2 days	Thu 10/24/24	Fri 10/25/24
24		**4.4 Collector Design**	**6 days?**	**Mon 10/28/24**	**Mon 11/4/24**
25		4.4.1 Seismic Loading and	3 days	Mon 10/28/24	Wed 10/30/24
26		4.4.2 Design for Strength	3 days	Thu 10/31/24	Mon 11/4/24
27		**4.5 Rafter Tie Down Design**	**3 days?**	**Fri 11/1/24**	**Tue 11/5/24**
28		4.5.1 Wind Uplift Load	1.5 days	Fri 11/1/24	Mon 11/4/24
29		4.5.2 Design for Strength	1.5 days	Mon 11/4/24	Tue 11/5/24
30		**Task 5: Wall Design**	**28 days?**	**Wed 11/6/24**	**Fri 12/13/24**
31		5.1 Wall Gravity Strength Design	4 days	Wed 11/6/24	Mon 11/11/24
32		**5.2 Wall lateral Desi**	**12 days**	**Tue 11/12/24**	**Wed 11/27/24**
33		5.2.1 Shear Wall Design	3 days	Tue 11/12/24	Thu 11/14/24
34		5.2.2 Seismic Load and Internal Shear	3 days	Fri 11/15/24	Tue 11/19/24
35		5.2.3 Wall Design for Strength	3 days	Wed 11/20/24	Fri 11/22/24
36		5.2.4 Wall Design for Servicability	3 days	Mon 11/25/24	Wed 11/27/24
37		**5.3 Hold Down and Anchor Bolt Design**	**4 days?**	**Thu 11/28/24**	**Tue 12/3/24**
38		5.3.1 Overturning Force	2 days	Thu 11/28/24	Fri 11/29/24
39		5.3.2 Design for Strength	2 days	Mon 12/2/24	Tue 12/3/24
40		**5.4 Floor Design**	**7 days?**	**Wed 12/4/24**	**Thu 12/12/24**
41		5.4.1 Floor Gravity Strength	1 day?	Wed 12/4/24	Wed 12/4/24
42		5.4.2 Cantilever Design	3 days	Thu 12/5/24	Mon 12/9/24
43		5.4.3 Floor Lateral Design	3 days	Tue 12/10/24	Thu 12/12/24
44		5.5 Design Optimizat	1 day?	Fri 12/13/24	Fri 12/13/24
45		**Task 6 : Modeling**	**12 days?**	**Mon 1/13/25**	**Tue 1/28/25**
46		6.1 2D Structural Modeling	6 days	Mon 1/13/25	Mon 1/20/25
47		6.2 3D BIM	6 days	Tue 1/21/25	Tue 1/28/25
48		**Task 7: Construction**	**25 days?**	**Mon 3/3/25**	**Fri 4/4/25**
49		7.1 Material Acquirement and Prefabrication	23 days	Mon 3/3/25	Wed 4/2/25
50		7.2 Construction Practices	2 days	Thu 4/3/25	Fri 4/4/25
51		**Task 8: Deconstruction Plan**	**1 day?**	**Fri 4/11/25**	**Fri 4/11/25**
52		8.1 Disassembly	0.5 days	Fri 4/11/25	Fri 4/11/25
53		8.2 Plan for Repurpo	0.5 days	Fri 4/11/25	Fri 4/11/25
54		**Task 9: Investiagte Project Impacts**	**2 days**	**Mon 1/13/25**	**Tue 1/14/25**
55		**Task 10: Project Deliverables**	**138 days?**	**Fri 9/27/24**	**Tue 5/6/25**
56		**10.1 Capstone Deliverables**	**138 days?**	**Fri 9/27/24**	**Tue 5/6/25**
57		10.1.1 30%	80 days?	Fri 9/27/24	Thu 2/13/25
58		10.1.2 60%	20 days?	Fri 2/14/25	Thu 3/13/25
59		10.1.3 90%	25 days?	Fri 3/14/25	Thu 4/17/25
60		10.1.4 Final Presentation	11 days?	Fri 4/18/25	Fri 5/2/25
61		10.1.5 Final Report and	13 days?	Fri 4/18/25	Tue 5/6/25
62		**Task 10.2: Competition**	**144 days?**	**Tue 8/27/24**	**Fri 4/11/25**
63		10.2.1 Registration and	49 days?	Tue 8/27/24	Fri 11/1/24
64		10.2.2 Phase 1: Final Report	94 days?	Tue 8/27/24	Fri 1/31/25
65		10.2.3 Phase 2: Structural Drawings and 3D	114 days?	Tue 8/27/24	Fri 2/28/25
66		10.2.4 Phase 3: Presentation	119 days?	Tue 8/27/24	Fri 3/7/25
67		10.2.5 Final RFI and Change Order	134 days?	Tue 8/27/24	Fri 3/28/25
68		10.2.6 Visual Aid	136 days?	Tue 8/27/24	Tue 4/1/25
69		10.2.7 Competition Build	1 day?	Fri 4/11/25	Fri 4/11/25
70		**Task 11: Project Management**	**161 days?**	**Tue 8/27/24**	**Tue 5/6/25**
71		11.1 Resource Management	161 days?	Tue 8/27/24	Tue 5/6/25
72		11.2 Schedule Management	161 days?	Tue 8/27/24	Tue 5/6/25
73		**11.3 Meetings**	**161 days?**	**Tue 8/27/24**	**Tue 5/6/25**
74		11.3.1 Team Meet	161 days?	Tue 8/27/24	Tue 5/6/25
75		11.3.2 Captain's Meeting	161 days?	Tue 8/27/24	Tue 5/6/25
76		11.3.3 Mentee Meetings	161 days?	Tue 8/27/24	Tue 5/6/25
77		11.3.4 Client Meetings	161 days?	Tue 8/27/24	Tue 5/6/25
78		11.3.5 Technical Advisors Meeting	161 days?	Tue 8/27/24	Tue 5/6/25
79		11.3.6 Grading Instructor	161 days?	Tue 8/27/24	Tue 5/6/25



Project: Timberstrong Schedule
Date: Mon 12/9/24

Sub Task | Task | Critical Path