



# Sprung Structures

## A Better Way To Build

Rapid Construction. Design Flexibility. Performance & Durability. Lower Overall Costs.

# Alberta Tilapia Aquaponics

## Calgary, Alberta



### Alberta Tilapia Aquaponics

### Project Overview:

**Client:** Alberta Tilapia Aquaponics

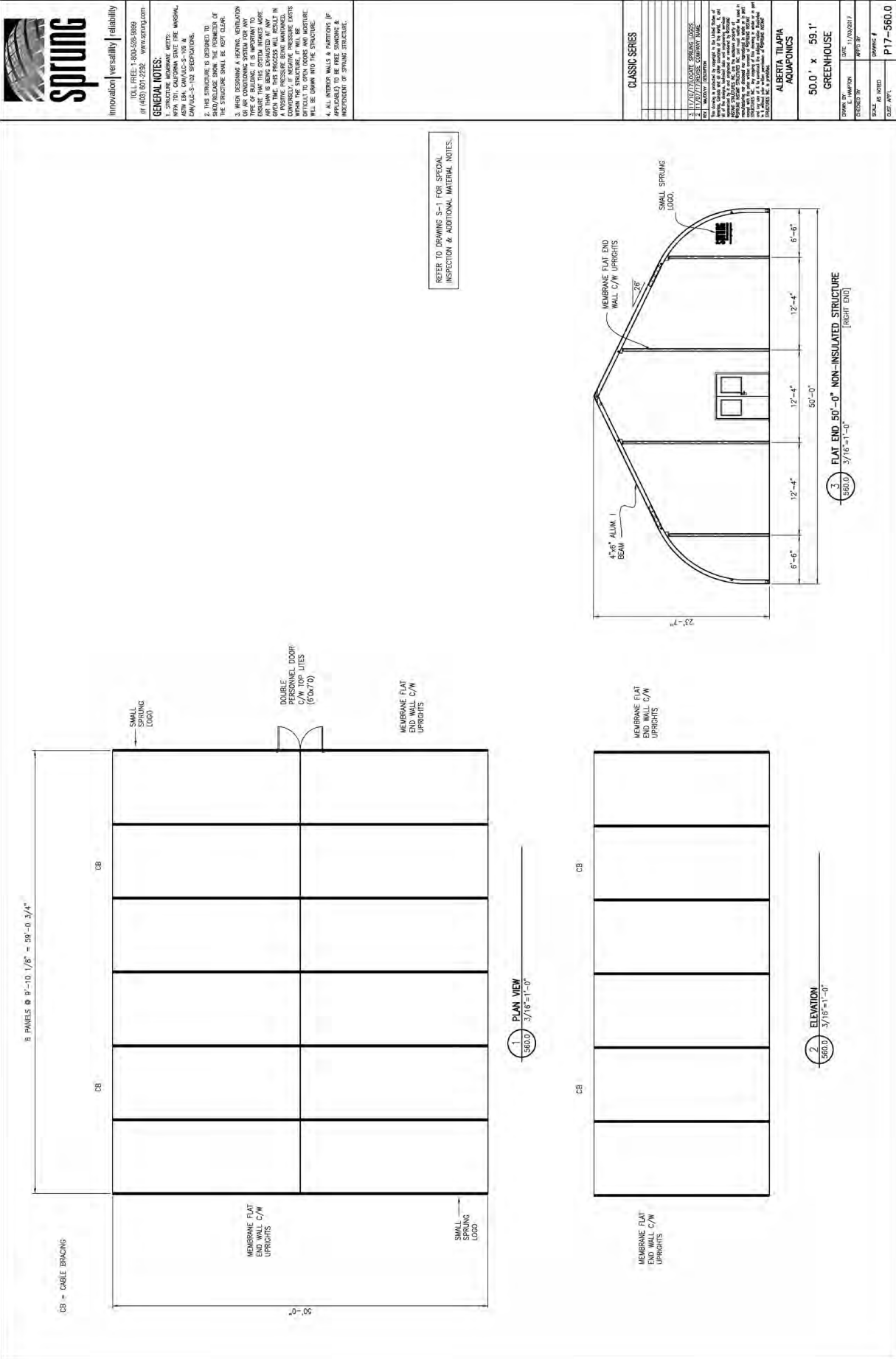
**Challenge:** Build a tilapia fish farm and combined it with aquaponics in Alberta, Canada. Aquaponics focuses on growing fish and produce together.

**Solution:** 50' wide by 60' long Sprung Structure with greenhouse membrane

**Results:** This year round greenhouse uses natural light to grow in combination with aquaponics. This facility will shortly have 25,000 Tilapia which will increase eventually to 60,000. All the water flows from tanks through the greenhouse and back which both purifies and heats the water. This operation only require 40 gallons water per day.







TOLL FREE 1 800 528 9899  
OR 403 801 2722 www.sprung.com

GENERAL NOTES:  
1. THIS STRUCTURE IS DESIGNED TO BE USED AS A TEMPORARY STRUCTURE FOR STORAGE OF MATERIALS AND EQUIPMENT. IT IS NOT TO BE USED AS A PERMANENT STRUCTURE.  
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3. WHEN DESIGNING A HEATING, VENTILATION OR AIR CONDITIONING SYSTEM FOR ANY STRUCTURE, THE SYSTEM SHOULD BE DESIGNED TO MAINTAIN A MINIMUM OF 50°F (10°C) INSIDE THE STRUCTURE. THE SYSTEM SHOULD BE DESIGNED TO MAINTAIN A MINIMUM OF 50°F (10°C) INSIDE THE STRUCTURE.  
4. ALL INTERIOR WALLS & PARTITIONS (IF APPLICABLE) TO BE FIRE RATED AND APPROVED BY SPRUNG STRUCTURES.

CLASSIC SERIES	
1. 10' x 10' x 10'	10' x 10' x 10'
2. 10' x 10' x 15'	10' x 10' x 15'
3. 10' x 10' x 20'	10' x 10' x 20'
4. 10' x 10' x 30'	10' x 10' x 30'
5. 10' x 10' x 40'	10' x 10' x 40'
6. 10' x 10' x 50'	10' x 10' x 50'
7. 10' x 10' x 60'	10' x 10' x 60'
8. 10' x 10' x 70'	10' x 10' x 70'
9. 10' x 10' x 80'	10' x 10' x 80'
10. 10' x 10' x 90'	10' x 10' x 90'
11. 10' x 10' x 100'	10' x 10' x 100'
12. 10' x 10' x 110'	10' x 10' x 110'
13. 10' x 10' x 120'	10' x 10' x 120'
14. 10' x 10' x 130'	10' x 10' x 130'
15. 10' x 10' x 140'	10' x 10' x 140'
16. 10' x 10' x 150'	10' x 10' x 150'
17. 10' x 10' x 160'	10' x 10' x 160'
18. 10' x 10' x 170'	10' x 10' x 170'
19. 10' x 10' x 180'	10' x 10' x 180'
20. 10' x 10' x 190'	10' x 10' x 190'
21. 10' x 10' x 200'	10' x 10' x 200'
22. 10' x 10' x 210'	10' x 10' x 210'
23. 10' x 10' x 220'	10' x 10' x 220'
24. 10' x 10' x 230'	10' x 10' x 230'
25. 10' x 10' x 240'	10' x 10' x 240'
26. 10' x 10' x 250'	10' x 10' x 250'
27. 10' x 10' x 260'	10' x 10' x 260'
28. 10' x 10' x 270'	10' x 10' x 270'
29. 10' x 10' x 280'	10' x 10' x 280'
30. 10' x 10' x 290'	10' x 10' x 290'
31. 10' x 10' x 300'	10' x 10' x 300'
32. 10' x 10' x 310'	10' x 10' x 310'
33. 10' x 10' x 320'	10' x 10' x 320'
34. 10' x 10' x 330'	10' x 10' x 330'
35. 10' x 10' x 340'	10' x 10' x 340'
36. 10' x 10' x 350'	10' x 10' x 350'
37. 10' x 10' x 360'	10' x 10' x 360'
38. 10' x 10' x 370'	10' x 10' x 370'
39. 10' x 10' x 380'	10' x 10' x 380'
40. 10' x 10' x 390'	10' x 10' x 390'
41. 10' x 10' x 400'	10' x 10' x 400'
42. 10' x 10' x 410'	10' x 10' x 410'
43. 10' x 10' x 420'	10' x 10' x 420'
44. 10' x 10' x 430'	10' x 10' x 430'
45. 10' x 10' x 440'	10' x 10' x 440'
46. 10' x 10' x 450'	10' x 10' x 450'
47. 10' x 10' x 460'	10' x 10' x 460'
48. 10' x 10' x 470'	10' x 10' x 470'
49. 10' x 10' x 480'	10' x 10' x 480'
50. 10' x 10' x 490'	10' x 10' x 490'
51. 10' x 10' x 500'	10' x 10' x 500'
52. 10' x 10' x 510'	10' x 10' x 510'
53. 10' x 10' x 520'	10' x 10' x 520'
54. 10' x 10' x 530'	10' x 10' x 530'
55. 10' x 10' x 540'	10' x 10' x 540'
56. 10' x 10' x 550'	10' x 10' x 550'
57. 10' x 10' x 560'	10' x 10' x 560'
58. 10' x 10' x 570'	10' x 10' x 570'
59. 10' x 10' x 580'	10' x 10' x 580'
60. 10' x 10' x 590'	10' x 10' x 590'
61. 10' x 10' x 600'	10' x 10' x 600'
62. 10' x 10' x 610'	10' x 10' x 610'
63. 10' x 10' x 620'	10' x 10' x 620'
64. 10' x 10' x 630'	10' x 10' x 630'
65. 10' x 10' x 640'	10' x 10' x 640'
66. 10' x 10' x 650'	10' x 10' x 650'
67. 10' x 10' x 660'	10' x 10' x 660'
68. 10' x 10' x 670'	10' x 10' x 670'
69. 10' x 10' x 680'	10' x 10' x 680'
70. 10' x 10' x 690'	10' x 10' x 690'
71. 10' x 10' x 700'	10' x 10' x 700'
72. 10' x 10' x 710'	10' x 10' x 710'
73. 10' x 10' x 720'	10' x 10' x 720'
74. 10' x 10' x 730'	10' x 10' x 730'
75. 10' x 10' x 740'	10' x 10' x 740'
76. 10' x 10' x 750'	10' x 10' x 750'
77. 10' x 10' x 760'	10' x 10' x 760'
78. 10' x 10' x 770'	10' x 10' x 770'
79. 10' x 10' x 780'	10' x 10' x 780'
80. 10' x 10' x 790'	10' x 10' x 790'
81. 10' x 10' x 800'	10' x 10' x 800'
82. 10' x 10' x 810'	10' x 10' x 810'
83. 10' x 10' x 820'	10' x 10' x 820'
84. 10' x 10' x 830'	10' x 10' x 830'
85. 10' x 10' x 840'	10' x 10' x 840'
86. 10' x 10' x 850'	10' x 10' x 850'
87. 10' x 10' x 860'	10' x 10' x 860'
88. 10' x 10' x 870'	10' x 10' x 870'
89. 10' x 10' x 880'	10' x 10' x 880'
90. 10' x 10' x 890'	10' x 10' x 890'
91. 10' x 10' x 900'	10' x 10' x 900'
92. 10' x 10' x 910'	10' x 10' x 910'
93. 10' x 10' x 920'	10' x 10' x 920'
94. 10' x 10' x 930'	10' x 10' x 930'
95. 10' x 10' x 940'	10' x 10' x 940'
96. 10' x 10' x 950'	10' x 10' x 950'
97. 10' x 10' x 960'	10' x 10' x 960'
98. 10' x 10' x 970'	10' x 10' x 970'
99. 10' x 10' x 980'	10' x 10' x 980'
100. 10' x 10' x 990'	10' x 10' x 990'
101. 10' x 10' x 1000'	10' x 10' x 1000'

ALBERTA TILAPIA AQUAPONICS	50.0' x 59.1'
GREENHOUSE	
DATE: 11/03/2017	
DRAWN BY: [REDACTED]	
CHECKED BY: [REDACTED]	
SCALE: AS SHOWN	
DRAWING #	P17-560.0
USER: PPTL	













## Top 5 Reasons to Choose Sprung:

- 1. Immediate Delivery from Inventory** – Fabric tensioned structures can complete projects in a much shorter time-frame than conventional construction.
- 2. Engineered for Even the Most Extreme Climates** – Enjoy peace of mind: Sprung structures are engineered to withstand extreme weather conditions.
- 3. Limited to No Foundation Requirements** – Structures can be easily anchored to existing asphalt or raw earth.
- 4. Airtight** – Air tightness within a Sprung structure can be said to be almost zero due to the type of wall construction used. The entire building structure has been specifically designed to prevent air flow while maintaining strong structural integrity.
- 5. Lease with Option to Purchase** – Increase your cash flow savings with Sprung's convenient in-house leasing program.

## Sprung Structures

For four generations, Sprung has designed solutions for every conceivable application. Inventory-ready building solutions that consistently outperform other building alternatives.

- Sprung structures can be dismantled, reconfigured, re-erected, or relocated for almost any number of applications and virtually every market sector in the world.
- Beyond providing all-weather shelter for equipment and inventory, Sprung structures provide bright, spacious high performance, energy efficient environments.
- To date, Sprung has completed over 12,000 structures in more than 100 countries worldwide.