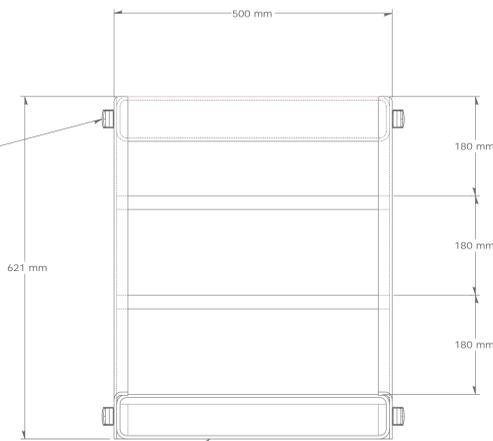


Top View
Scale 1 : 5

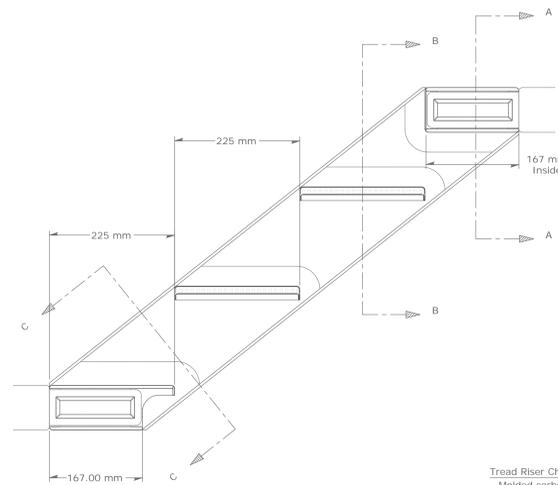
Draw Latch
Lever side, Type 316 SS.
Mounted to Stair body, align with catch
located on Deck, 4 pcs total
Southco model #V7-20-101-24.



Elevation
Scale 1 : 5

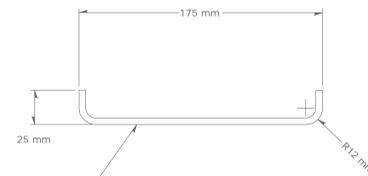
Draw Latch
Lever side, Type 316 SS.
Mounted to Stair body, align with catch
located on Deck, 4 pcs total
Southco model #V7-20-101-24.

Lower Deck Socket
Same as Upper Deck Socket geometry and laminate.
Continuous carbon composite ring, approx. 6mm thickness.
Stack laminate (assume .4 mm / ply infused):
1 x C-BX 0900
1 x C-LT 0900
11 x C-LA 09121
1 x C-LT 0900
1 x C-BX 0900

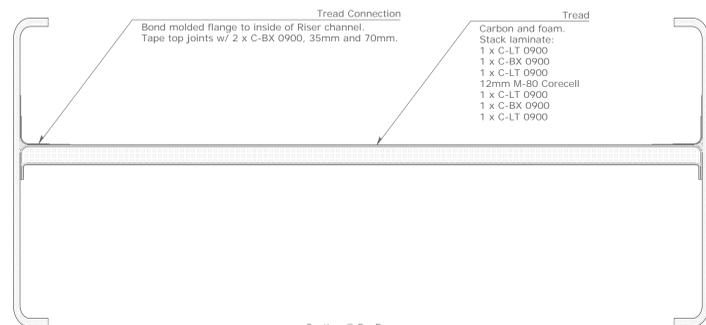


Profile
Scale 1 : 5

Tread Riser Channel
Molded carbon composite to section @ C - C, approx. 4.8 mm t.
Stack laminate (assume .4 mm / ply infused):
1 x C-BX 0900
1 x C-LT 0900
8 x C-LA 09121
1 x C-LT 0900
1 x C-BX 0900



Section @ C - C
Scale 1 : 2



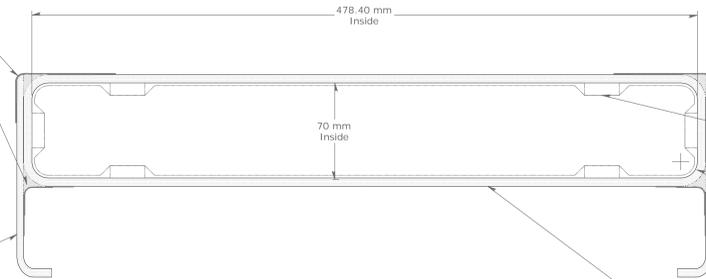
Section @ B - B
Scale 1 : 2

Tread
Carbon and foam.
Stack laminate:
1 x C-LT 0900
1 x C-BX 0900
1 x C-LT 0900
12mm M-50 Corecell
1 x C-LT 0900
1 x C-BX 0900
1 x C-LT 0900

Tread Connection
Bond molded flange to inside of Riser channel.
Tape top joints w/ 2 x C-BX 0900, 35mm and 70mm.

Corner Tapes
Make 6mm fillets where possible.
Fill and flush w/high density filler and Epoxy.
Tape top joints w/ 2 x C-BX 900, 35mm and 70mm.

Tread Riser Channel
Molded carbon composite to section @ C - C, approx. 4.8 mm t.
Stack laminate (assume .4 mm / ply infused):
1 x C-BX 0900
1 x C-LT 0900
8 x C-LA 09121
1 x C-LT 0900
1 x C-BX 0900



Section @ A - A
Scale 1 : 2

Upper Deck Socket
Continuous carbon composite ring, approx. 6mm thickness.
Stack laminate (assume .4 mm / ply infused):
1 x C-BX 0900
1 x C-LT 0900
11 x C-LA 09121
1 x C-LT 0900
1 x C-BX 0900

NOTE:
All carbon fabric designations are
Vectorply designations: substitution of
equal weight and architecture is
acceptable.

DATE

REVISIONS

STEPHENS WARING
YACHT DESIGN

DESIGNED AND DRAWING REVIEW PROPERTY OF
STEPHENS WARING YACHT DESIGN

92 Main St., 3rd Floor | Belfast, ME 04415 | 207-338-8838

STEPHENSWARING.COM

PROJECT
Zemphira BBY/SWYD Dsn #71
2020 Refit

CLIENT
Tenacious Holdings, LLC

Title
Stair Construction
Composite Component

DWG #
71 -- 218 a -- 2021

SCALE:
1 : 5 & 1 : 2

REFERENCES:
SWYD -- Zemphira -- Boarding
System 3D, 3dm

DWG BY:
P. Waring

DATE:
February 10, 2021

APPROVED BY: R. Stephens