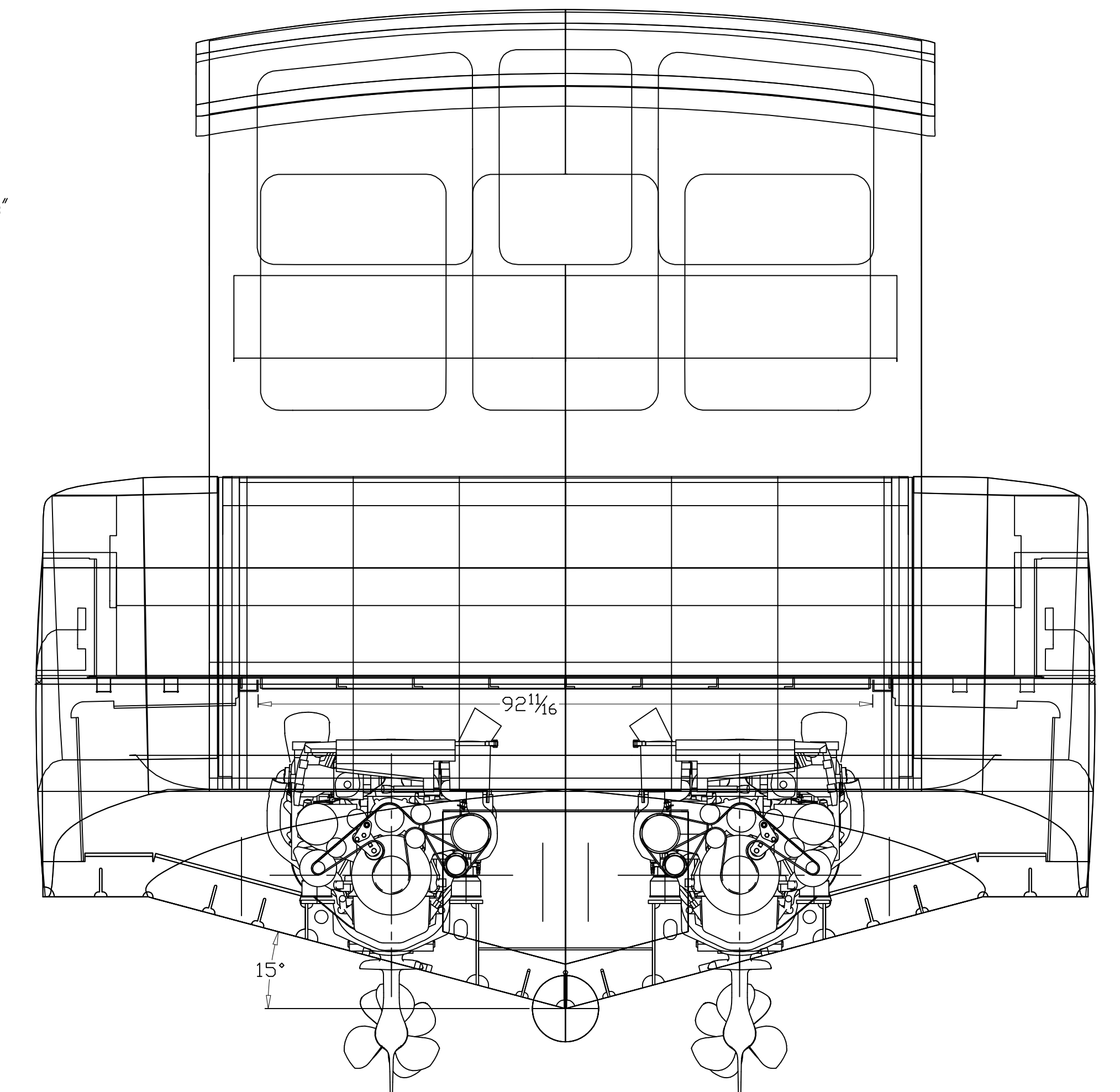
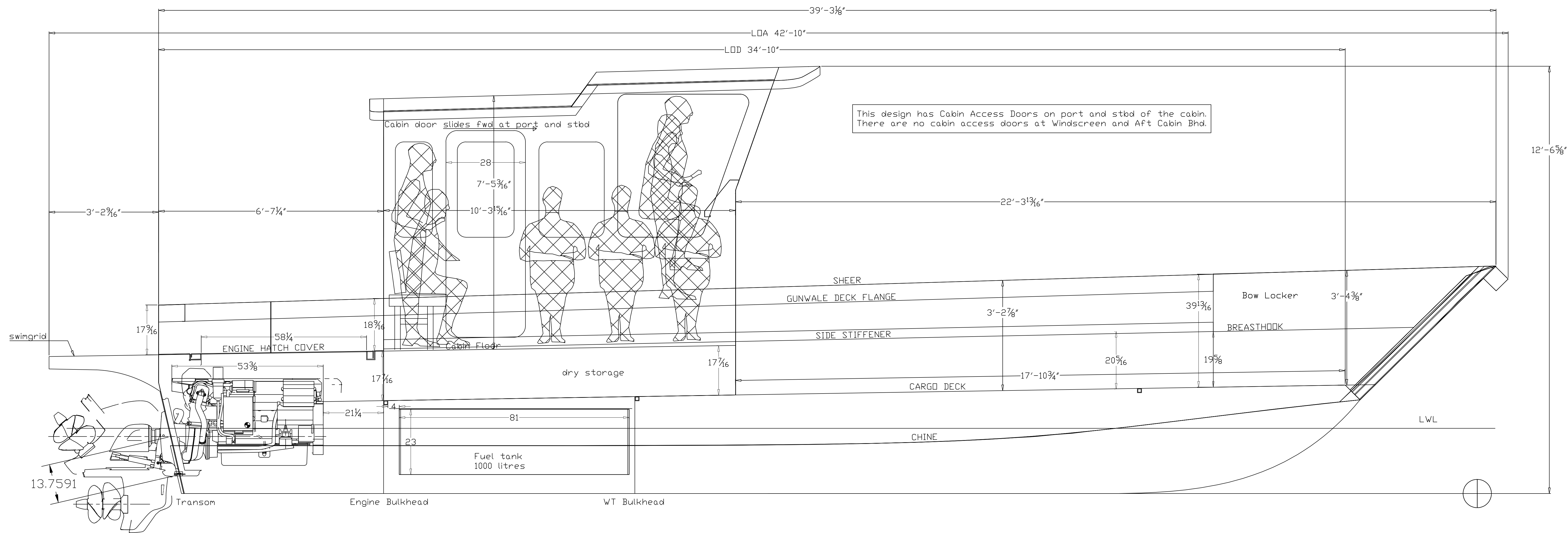


C090B 40ft Aegean Landing Craft ID 10' 4" Walk Around Cabin STUDY PLAN



Aluminum Plate List
C090B 40ft LC ID w/ 10'4" Walk Around Cabin
Date: July 17 2022

- 1/2" plate (1)
1 sheet = 1/2" x 4ft x 12ft ----ALLOY 5086 H116
- 3/8" plate (1)
1 sheet = 3/8" x 5ft x 20ft ----ALLOY 5086 H116
- 3/16" plate (7)
4 sheets = 3/16" x 8ft x 20ft ----ALLOY 5086 H116
1 sheet = 3/16" x 6ft x 10ft ----ALLOY 5086 H116
2 sheets = 3/16" x 5ft x 20ft ----ALLOY 5086 H116
- 1/4" plate (23)
12 sheets = 1/4" x 5ft x 20ft ----ALLOY 5086 H116
4 sheets = 1/4" x 6ft x 20ft ----ALLOY 5086 H116
2 sheets = 1/4" x 8ft x 20ft ----ALLOY 5086 H116
3 sheets = 1/4" x 4ft x 20ft ----ALLOY 5086 H116
1 sheet = 1/4" x 4ft x 10ft ----ALLOY 5086 H116
1 sheet = 1/4" x 8ft x 10ft ----ALLOY 5086 H116
- 3/16" plate (16)
2 sheets = 3/16" x 4ft x 20ft ----ALLOY 5052 H32
1 sheet = 3/16" x 5ft x 20ft ----ALLOY 5052 H32
- 4 sheets = 3/16" x 4ft x 12ft ----ALLOY 5086 H116
2 sheets = 3/16" x 5ft x 12ft ----ALLOY 5086 H116
2 sheets = 3/16" x 5ft x 20ft ----ALLOY 5086 H116
3 sheets = 3/16" x 6ft x 12ft ----ALLOY 5086 H116
1 sheet = 3/16" x 8ft x 20ft ----ALLOY 5086 H116
1 sheet = 3/16" x 5ft x 10ft ----ALLOY 5086 H116
- 3/32" (160") (2)
1 sheet = 3/32" x 5ft x 20ft ----ALLOY 5086 H116
1 sheet = 3/32" x 5ft x 10ft ----ALLOY 5086 H116
- 1/8" (1)
1 sheet = 1/8" x 6ft x 10ft ----ALLOY 5086 H116

- Aluminum Extrusion List
C090B Aegean 40ft Landing Craft ID
10'4" Walk Around Cabin
Date: Nov 1 2023
- Angle Bar: 20ft lengths**
3 lengths x 1/2" x 1 1/2" x 1 1/2" 6061-T6 aluminum Angle Bar (engine hatch)
1 length x 1/2" x 2" x 2" 6061-T6 aluminum Angle Bar (transom)
24 lengths x 1/2" x 3" x 3" 6061-T6 aluminum Angle Bar (cargo deck)

- Sq tube: 20ft lengths**
6 lengths x 1/2" x 1" x 1" 6061 T6 sq tube (cabintop)
8 lengths x 1/2" x 2" x 2" 6061 T6 sq tube (floor & window)
16 lengths x 3/16" x 1 1/2" x 1 1/2" 6061 T6 sq tube (hull, window & floor)
4 lengths x 1/2" x 4" x 4" 6061 T6 sq tube (bow door)

- Rec. tube: 24ft lengths**
3 lengths x 3/16" x 2" x 4" 6061 T6 rec. tube (door)
2 lengths x 3/16" x 1 1/2" x 3" 6061 T6 rec. tube (door)

- Channel: 20ft lengths**
1 length x 1/2" x 3" x 3" 6061 T6 channel (engine hatch)
1 length x 1/2" x 2" x 4" 6061 T6 channel (engine hatch)

- Solid bar: 20ft lengths**
2 lengths x 1" x 1" square bar 6061-T6 (eng. longitudinals)

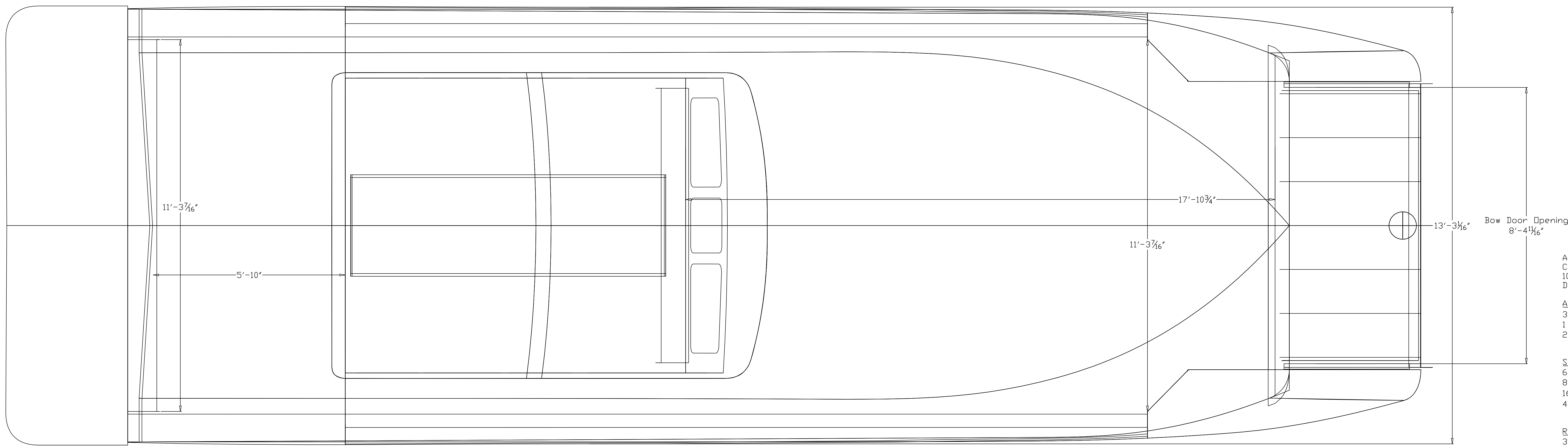
- 1/2 Pipe: 20ft lengths**
4 lengths x 2" sch 40 Alloy 6061 T6 half pipe (hull)

- Pipe: 20ft lengths**
4 lengths x 3/4" sch 40 6061-T6 Aluminum pipe (cabin)
1 length x 2" sch 40 6061-T6 Aluminum pipe (swinggrid)

- Flatbar: 20ft lengths**
2 lengths x 3/16" 1-1/2" 6061-T6 aluminum Flatbar (engine hatch side)
2 lengths x 3/16" 1-3/4" 6061-T6 aluminum Flatbar (transom and pad)
1 length x 1/2" x 5" 6061-T6 aluminum Flatbar (engine mount)

- Marine Extrusion: 25ft lengths**
3 lengths x Marine Hull Extrusion Alloy 6061 T6

- Stainless Steel Round Bar: 12ft lengths**
1 length x 1/2" Stainless Steel T 316 Round Bar



C090B 40ft Aegean Landing Craft ID
10'4" Walk Around Cabin

LOD-----34'-10"
LOA-----42'-10"
Beam-----13'-6" with gunwale pipe
Max Displacement--34,500 lbs
(10 passengers + driver, 7000 lbs payload, 1000 l fuel)
projected speed @ 34,500 lbs 23 knots

Displacement--25,000 lbs
(2 passengers + driver, 500 l fuel, 5500 lbs payload)
projected speed @ 25,000 lbs 27 knots
Deadrise-----15 deg
Power-----Twin Volvo D6 380 hp
Door opening-----8' 4"

Designed by A.B.COPE LTD.
Designer--Bruce Cope
July 23 2022

(P 1)

Builder is required to go through the construction drawings to confirm the extrusion list. This list does not include additional material that may be required while building an aluminum boat. This list does not include parts for jig assembly.