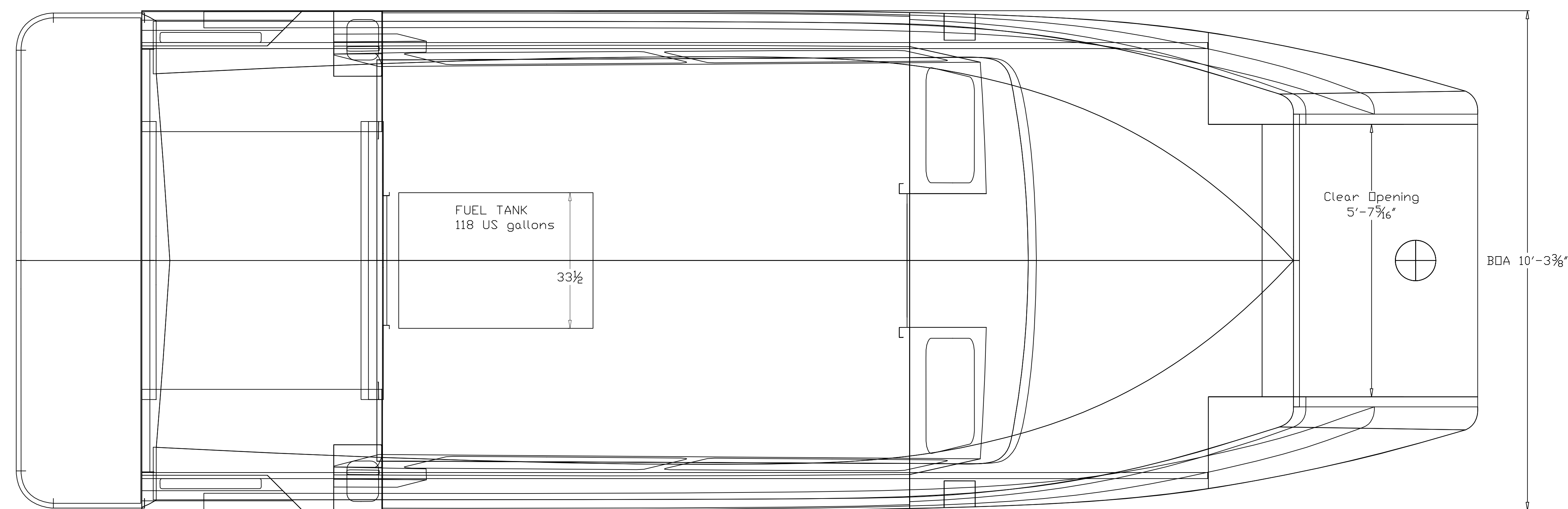
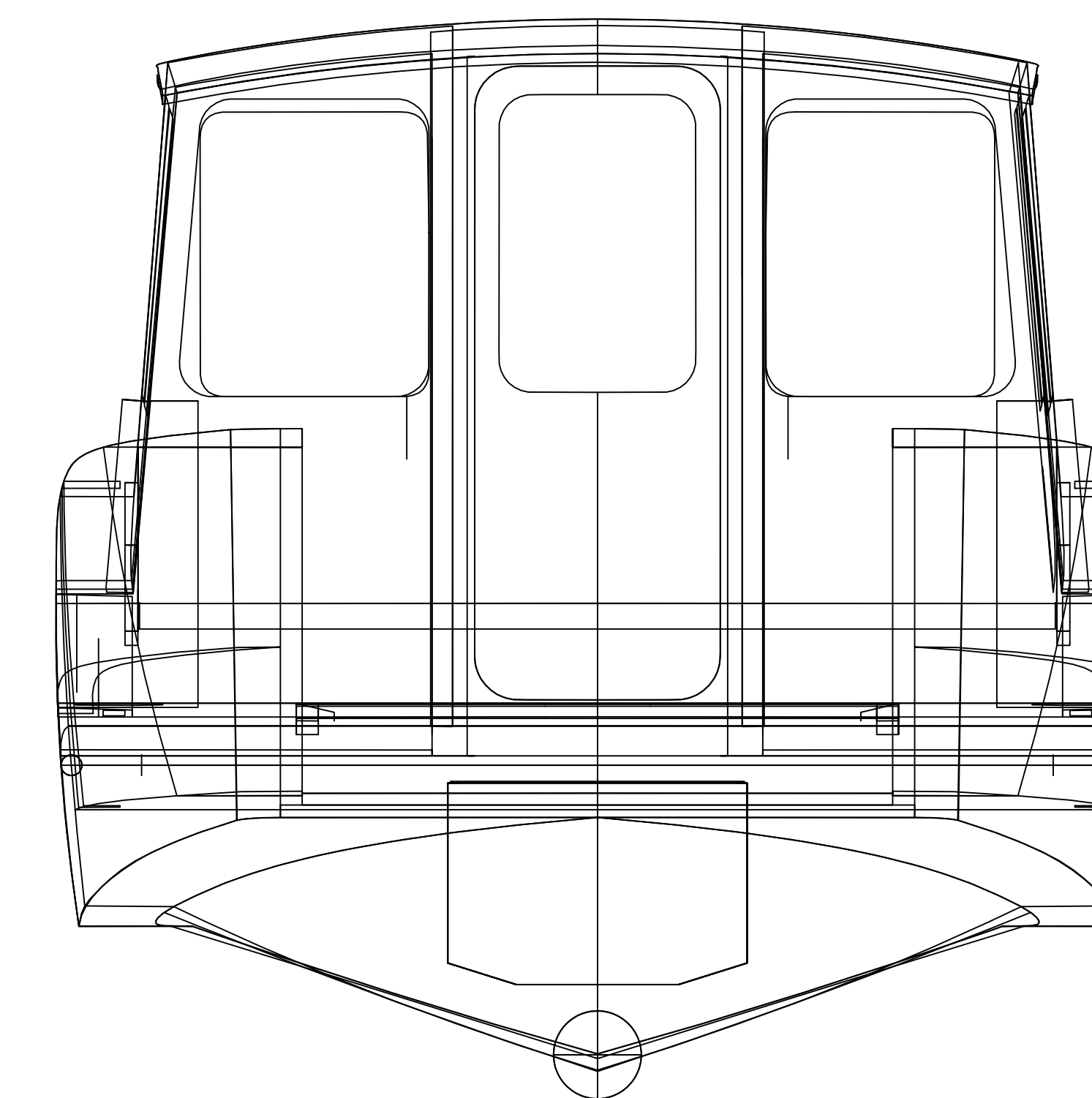
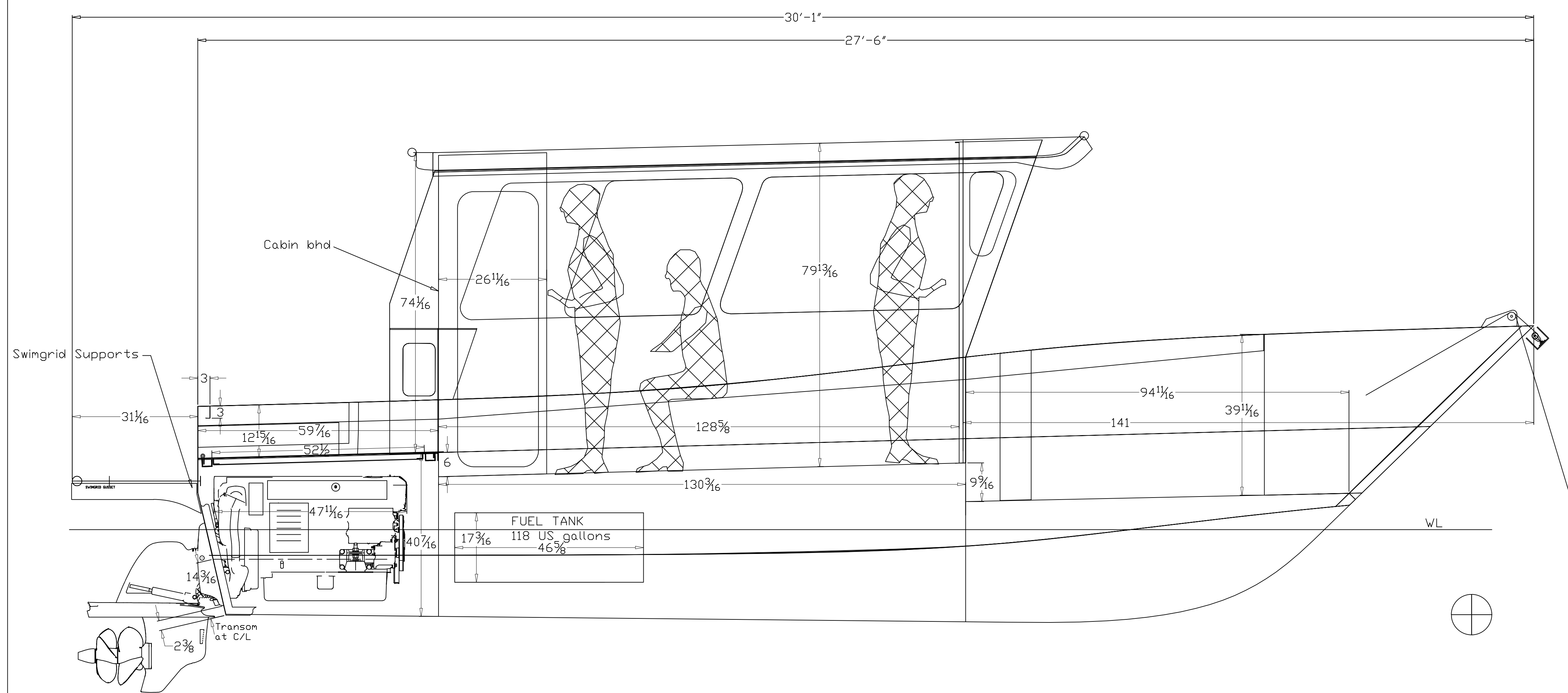


C028A 27ft 10in LANDING CRAFT I.O.  
DISCOVERY PASSAGE 28 - 10' 10" CABIN  
STUDY PLAN



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.

Plate List  
C028A 27ft 10in Landing Craft I.O.  
Discovery Passage 28 I.O. LC  
10' 10" Cabin Model  
November 11 2023

- 3/8" plate-5086 H116  
1 sheet 3/8"x5ftx8ft 5086 H116
  - 1/2" sheet-5086 H116  
2 sheets 1/2"x5ft x25ft 5086 H116  
1 sheet 1/2"x5ftx20ft 5086 H116  
1 sheet 1/2"x5ftx12ft 5086 H116  
1 sheet 1/2"x4ftx20ft 5086 H116
  - 3/16" sheet-5086 H116  
2 sheets 3/16"x5ftx27ft 9in 5086 H116
  - 1 sheet 3/16"x6ftx20ft 5052 H32  
6 sheets 3/16"x5ftx20ft 5052 H32  
2 sheet 3/16"x4ftx 20ft 5052 H32
  - 3/16" sheet- 5052 H32  
1 sheets 3/16"x6ftx20ft 5052 H32  
4 sheets 3/16"x5ftx20ft 5052 H32  
3 sheets 3/16"x4ftx20ft 5052 H32  
1 sheet 3/16"x4ftx10ft 5052 H32
  - 1/8" sheet- 5052 H32  
1 sheet 1/8"x4ftx8ft 5052 H32
- There is a total of 27 sheets

EXTRUSION LIST

- C028A 27ft 10in Landing Craft I.O.  
Discovery Passage 28  
10' 10" Cabin Model  
November 16 2023
- All extrusions are Aluminum and 20ft length, unless otherwise specified.
- ANGLE BAR**
- 2 lengths ----- 3/16"x3"x2' Alloy 6061 T6 Angle Bar (lifting strakes)
  - 8 lengths ----- 3/16"x2"x2' Alloy 6061 T6 Angle Bar (lower knds, girder & floor)
  - 9 lengths ----- 1/8"x1 1/2"x1 1/2' Alloy 6061 T6 Angle Bar (engine hatch & floor & head door)
  - 1 length ----- 1/4"x2"x2' Alloy 6061 T6 Angle Bar (transom)
- FLAT BAR**
- 1 length ----- 1/2" x 5' Alloy 6061 T6 Flat Bar (engine mounts)
  - 1 length ----- 1" x 3' Alloy 6061 T6 Flat Bar (bow keel)
  - 1 length ----- 3/4"x1 1/2' Alloy 6061 T6 Flat Bar (transom pad)
- SQUARE TUBE**
- 2 lengths ----- 1/2"x4"x4' Alloy 6061 T6 Square Tube (rigging chase)
  - 2 lengths ----- 1/2"x3"x3' Alloy 6061 T6 Square Tube (bow door)
  - 10 lengths ----- 1/2"x1 1/2"x1 1/2' Alloy 6061 T6 Square Tube (cabin sides, windscreen, head khd)
  - 4 lengths ----- 1/2"x1"x1' Alloy 6061 T6 Square Tube (cabin top)
  - 4 lengths ----- 1/2"x2"x2' Alloy 6061 T6 Square Tube (rigging & cabin khd)
- RECTANGULAR TUBE**
- 1 length ----- 1/2"x2"x4' Alloy 6061 T6 Rectangular Tube (cabin khd door)
- PIPE**
- 1 length ----- 1" sch 40 Alloy 6063 T5 Pipe (hand rails)
  - 3 lengths ----- 1" sch 40 Alloy 6063 T5 Pipe (cabin top)
  - 1 length ----- 2" sch 40 Alloy 6063 T5 Pipe (swingrid)
- 1/2" PIPE**
- 4 length ----- 2" sch 40 Alloy 6063 T5 1/2" Pipe (sheer)
- HULL EXTRUSION: 25FT LENGTH**
- 4 lengths ----- Marine Extrusion Alloy 6061 T6 (hull)
- STAINLESS STEEL ROUND BAR: 12FT LENGTH**
- 1 length ----- 1/2" stainless steel T 316 Round Bar (safety latch)

THIS DRAWING REMAINS THE INTELLECTUAL PROPERTY OF A.B. COPE LTD. AND IS FOR THEIR SOLE USE AND BENEFIT.  
ONE BOAT MAY BE BUILT FROM THIS DRAWING AFTER IT IS RECIEVED FROM A.B. COPE LTD. AND AUTHORIZATION IS GIVEN BY A.B. COPE  
BRUCE COPE--PH 250-752-1724

Notes to the purchaser of these plans.  
These plans apply only to the aluminum structural component of the boat. The purchaser is responsible for following all federal, provincial and local regulations that apply to boat construction. A.B.Cope does not claim that this plans meets any particular standards set by any level of government or agency. Particularly with regard to the following:  
1-passenger carrying capacity.  
2-maximum load capacity.  
3-Level Flotation standards.  
3-maximum engine horsepower allowed.  
4-The boatbuilder (purchaser) is responsible for determining the hp. rating applied to the boats built to these plans.  
5-The boatbuilder (purchaser) is responsible for putting foam flotation in the boat or some other type of flotation that will keep the boat afloat in case the boat is flooded.  
6-The purchaser and or the boatbuilder is responsible for determining if the boat is safe and seaworthy after it is built, especially with regard to the engine horsepower installed. A.B.Cope does not claim that this hull is suitable or safe for any particular purpose. The builder (purchaser of the plans) must determine whether the boat is suitable and safe to use for his purpose, this is especially with regard to the installed engine horsepower and the areas where the boat will be used.

C028A 27ft10in Landing Craft I.O.  
Discovery Passage 28 I.O.  
10' 10" Cabin Model  
-CONSTRUCTION-AMUNIMUM-----MEASUREMENT-IMPERIAL-  
Length hull-----27ft 10in  
Length DA including swingrid-----30ft 5in  
Beam-----10ft 6in  
Deadrise-----17.8 degree at transom  
Displacement---Lightship---8,272 lbs  
Displacement---Loaded 13,126 lbs  
Cargo Capacity-----5000 lbs  
Power-----Single Volvo D6 330HP I.O.  
Designed by A.B.COPE LTD.  
Designer--Bruce Cope  
June 2013  
Modified November 17 2023

