

1. Need more detailed weight information.  
Exact Winch frame Weight *estimated 5500 lbf (with levelwind)*  
Exact Drum Weight *estimated 9500 lbf*
2. Two faces of the split in the flange are different, why? *In the auxiliary bay, cable will turn over bare drum radius. The welded plate stops at the tangent of the drum core.*  
  
*Is this rolled plate surface or welded flats? Welded flats with convexly ground welds for smooth transition between plates. See provided drum weldment .pdf file.*  
  
*Need Flange detail or spreadsheet indicating the spreading forces on the flange, this is a flange deflection question. A spreadsheet has been attached with circumferential loads and calculated deflections at their respective radii. Please note that this is a conservative estimate.*
3. Spoked outer flange is an arm chopper, the concern here is operator safety. Can we reduce this to a 10 inch high plate flange? *Spokes will be covered with sheet metal panels to eliminate this risk.*
4. Can we duplicate the flange liner bolt pattern on the outer surface of the split flange, (this would accommodate mounting hardware for our terminations.) *Bolt pattern will be provided but not necessarily an exact duplicate.*
5. Include a top capture bar, pinned to be removable, on levelwind to prevent wire from jumping the rollers. *We will include a keeper.*
6. Will the HPU have a matching deck bolt pattern? *The HPU will mount to the forward side of the winch (see pdf layout views). It can either mount on the port or starboard side.*
7. The JDR MOOS cable is "left lay" and must be spooled from proper side of drum (same for each end of cable). The drum design shown in Dynacon drawing is correct for our cable. *Noted. Thanks for catching this detail.*
8. Clarify maximum line pull possible in different winch settings, (at stall.)  
  
*Stalled-            High tension: 7,500 lbf ( $1.25 \times \text{SWL} = 1.25 \times 6,000 \text{ lbf}$ )*  
*Low tension: 3,750 lbf ( $1.25 \times 3,000 \text{ lbf}$  in minimum pull)*  
*Dynacon typically designs the system to hold 1.25 x Safe Working Load in the stalled condition. The system would render to loads higher than 1.25 x SWL. The pressure relief setting on the hydrostat will be set at the pressure required to meet the stalled load case. This pressure is based on the torque required and the low efficiencies of the hydraulic motors at a "stalled condition."*
9. Need clamping detail for tail rope. *We will provide. Tail rope is identified as a 1" nominal diameter synthetic rope (Samson).*