

List of items.

These items are listed in order starting at the gun end.

1. UITS Table - MODIFY
 - a. The legs of the table need to move out lengthwise to the ends of the table to clear the trough in the floor. The existing length & width of the table top is sufficient.
 - b. This table could be modified.
 - i. Remove table top. Fabricate 4 horizontal supports and 2 flat bar crossbraces.
 1. Will need fab sketches.
 - ii. Assemble new supports onto frame of table legs. Locate and drill new mounting holes into underside of table top. Can be completed on-site.
 - iii. Fab new shelf plate.
2. HVC Spool – NEW
 - a. Fab spool piece for FH solenoid between HVC and valve on Y chamber.
3. Y chamber NEG tube flange – NEW
 - a. Design, detail & fab.
4. 15deg Magnet MDS - NEW
 - a. Design & fab for mag on Y chamber.
5. 3" Stripline BPM - NEW
 - a. Fab new stripline bpm to hold 3" long haimson coils.
 - b. Find drawings.
 - c. Detail new tubes.
6. Spool for FH Bakeable Solenoid – NEW
 - a. A spool piece will need to be fabricated for the solenoid.
 - b. Length of spool piece shall be from stripline bpm to the 5" nipple on the Wein.
7. MQ kicker Quad – MODIFY
 - a. If the quad is to be used without a bpm inside then the clamp plates inside the quad will need to be designed and fabbed such that they will clamp around a 1-1/2 beam tube.
 - b. The clamps are currently designed to clamp onto a 2-3/4 flange on a bpm.
 - c. If a haimson coil is to be used then it will clamp onto the 1-1/2 beam tube.
 - d. Find drawings for kicker clamp halves.**
8. Wein nipple NEW
 - a. This can be an off the shelf nipple, length 5".
 - b. For now it is located one on upstream and one downstream.
 - c. These will be REMOVED if new Wein filter is used.
9. Wein filter – NEW
 - a. Design/fab new Wein filter (10" longer)
10. Spool MQ Quad
 - a. Need a spool piece (7.5 lg) to go between the Wein nipple and the Zero length stripline BPM.
 - b. Quad will mount on spool piece if quad is used.
11. Zero length Stripline BPM - NEW
 - a. Need to detail and fabricate.
12. Chopper fixture x2– NEW
 - a. Need to detail and fab
 - b. Will need 6 adjustment cartridges.
 - c. Will mount to 80/20.
13. Spool x2 – NEW
 - a. Spool piece between the chopper and the chopper chamber, US & DS.

14. Chopper Chamber – NEW
 - a. Model, detail and fab.
 15. Chopper Chamber fixture – NEW
 - a. Detail & fab
 - b. Will need 3 adjustment cartridges.
 16. Spectrometer Line – NEW
 - a. Design, detail & fab vacuum chamber.
 - b. Detail spool.
 - c. Design detail fab support for line.
 17. Dipole – reuse
 - a. Which one?
 18. Dipole fixture – NEW OR REUSE
 - a. Design, detail & fab.
 19. MFA Solenoid spool – NEW
 - a. Detail & fab.
 20. DP Can – NEW OR REUSE?
 21. YAO chamber – NEW OR REUSE?
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- A. Spools to fab – qty of 7.
 - B. Stripline BPM to fab
 - a. Zero length qty 1
 - b. 3" length qty 4