



# MEBT MEETING AGENDA

August 2, 2001

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## Mechanical Systems Update

### 1. Fabrication and Procurement Update

- Raft weldments ([photos](#), [schedule](#))
- Profile Monitor Beamboxes
  - machining, leak checking completed Ö
  - beambox received at BNL 7/30/01 ([photos](#)) Ö
- Chopper Targets – polishing completed Ö
- Chopper Covers –received at LANL 7/25/01 Ö
- Beampipe tubing received
- Macinining underway (BZ Engineering, Inc., San Leandro)
  - tubing and flanges for beamboxes
  - flanges for beampipes 8 & 9

### 2. Design Status ([MEBT](#))

- Support structure calculations and lifting documentation
- Beampipe (1 – 7) fabrication drawings underway
- Rebuncher Cavity mount redesign

## Electrical Systems Update

1. Low Level RF
2. Rebuncher System
3. Beam Diagnostics

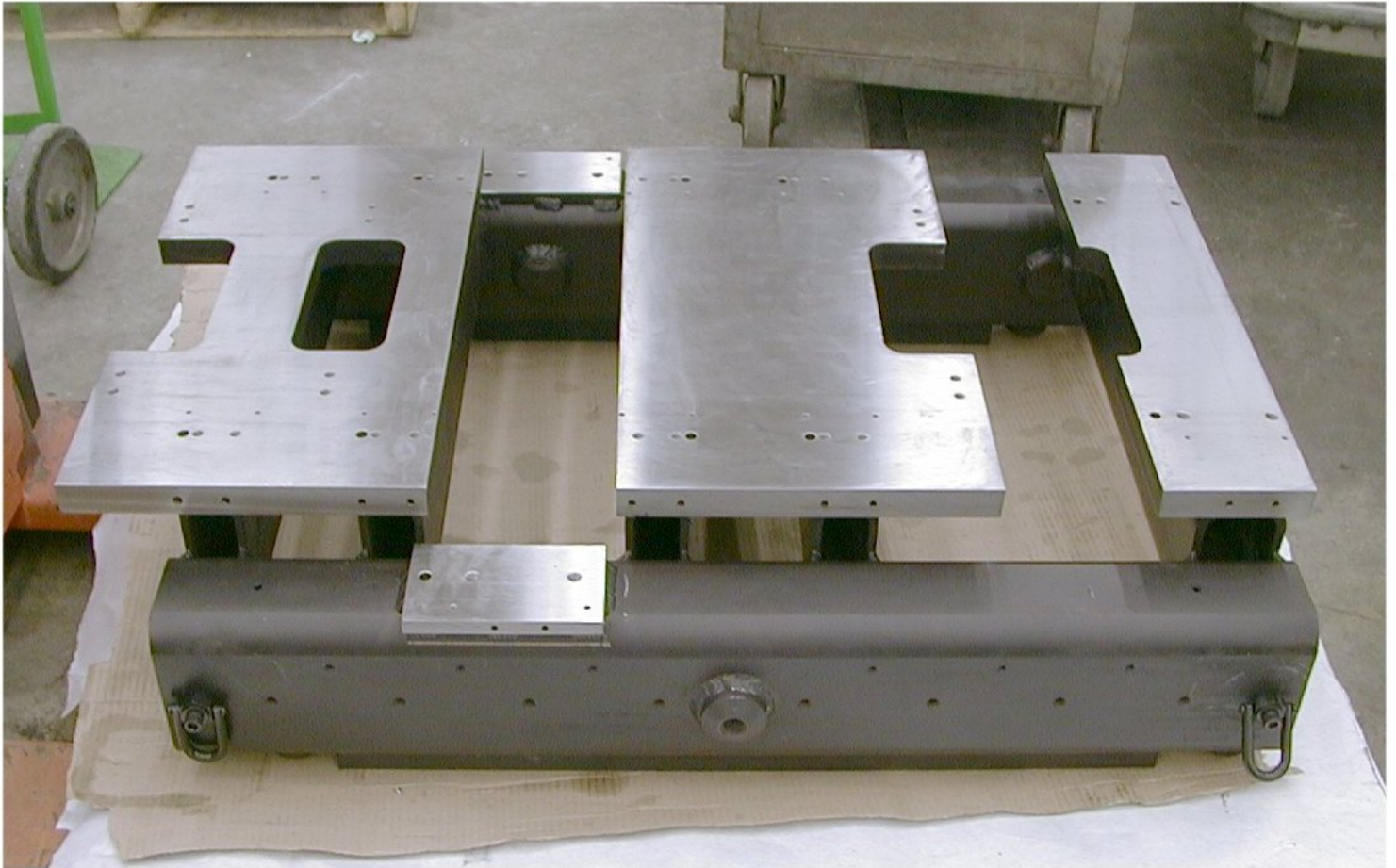
## System Integration / Installation

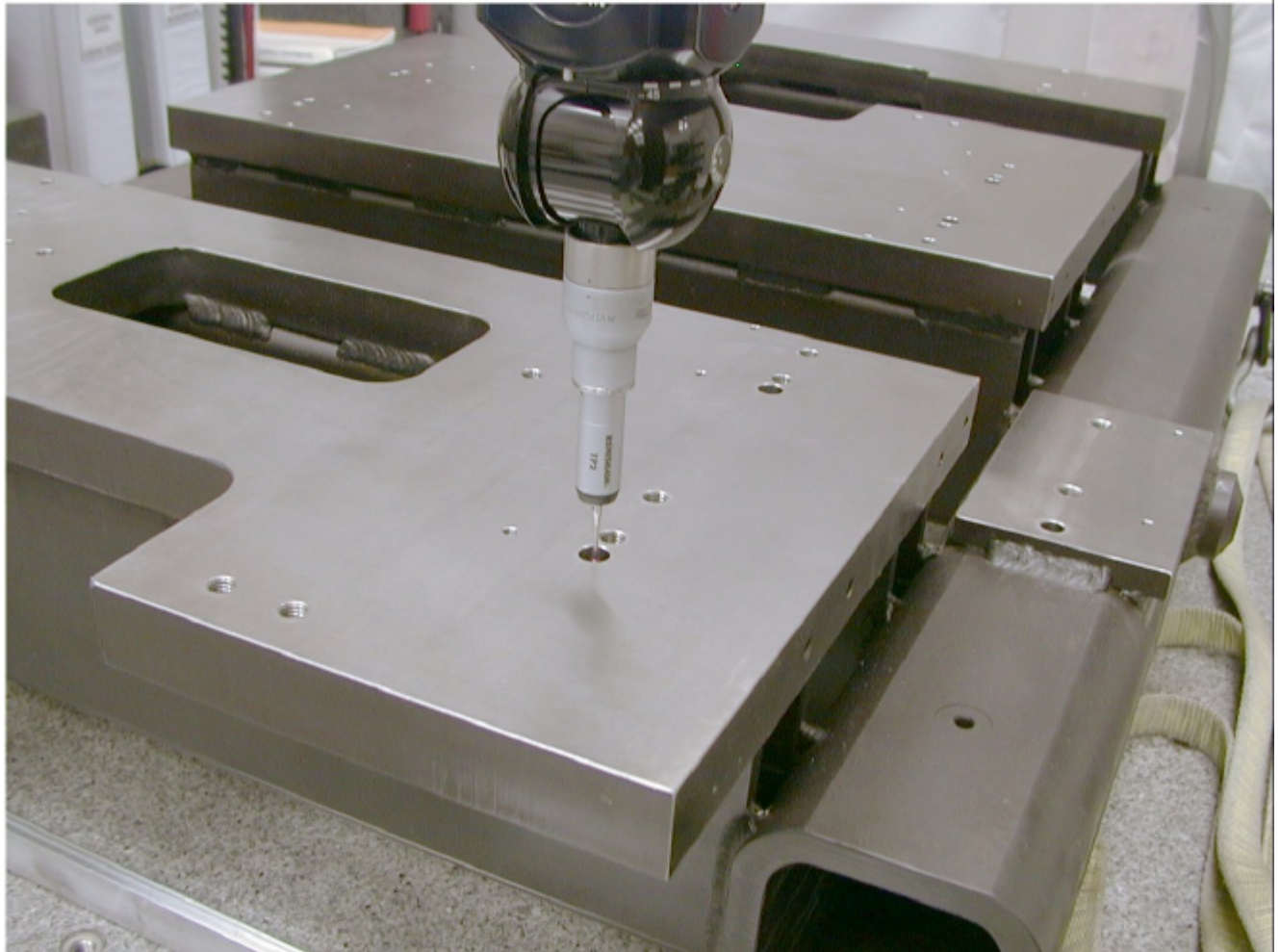
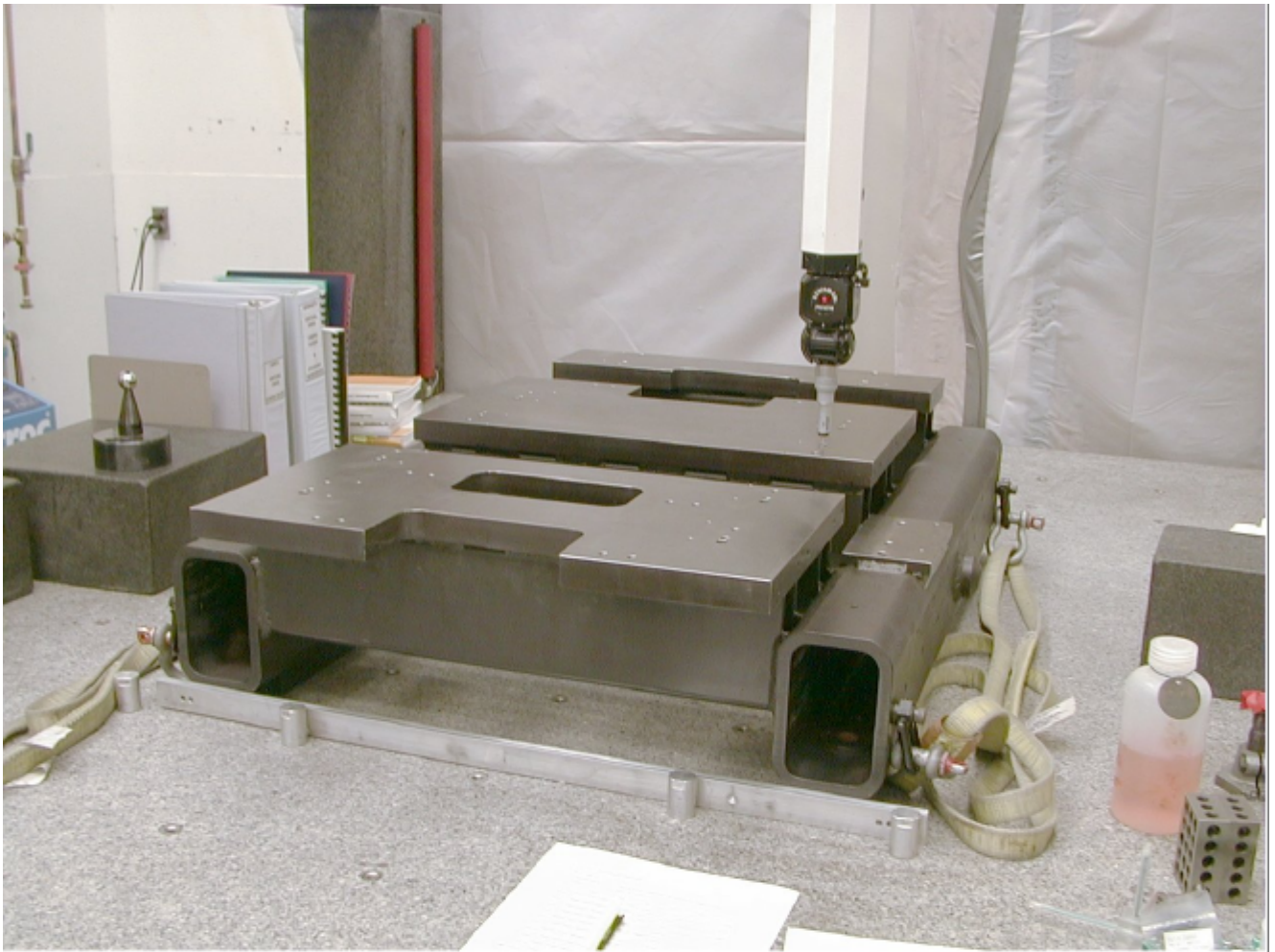
1. Assembly Progress

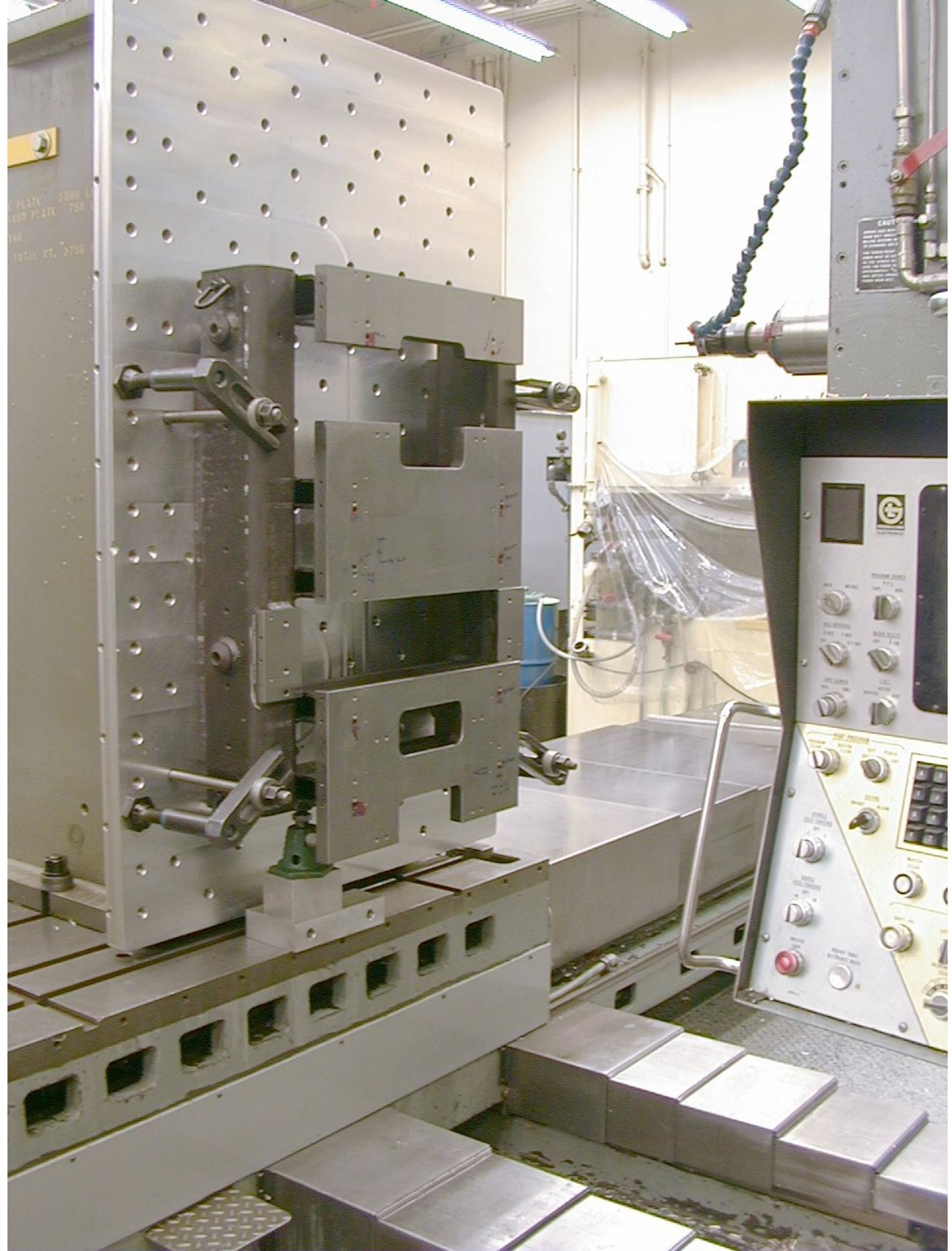
## Upcoming Tasks and Milestones

- ◆ Raft and Support Structure Complete 5/31/01 OR
- ◆ Rebuncher Amplifiers #2-6 Received 6/30/01
- ◆ Rebuncher Cavity #2-4 Received 6/30/01
- ◆ Profile Monitor all complete 7/31/01
- ◆ MEBT Raft 3 assembly complete 9/30/01

*Next Meeting: Thursday, 8/16/01, 10 AM*







## MEBT Raft #3 Schedule June/July/August

Monday	Tuesday	Wednesday	Thursday	Friday
<b>June 25</b> All parts for rafts 1, 2 and 3 are cut and preliminary machine work finished on raft #3.	<b>June 26</b> Start Raft #3 assembly and tack weld the parts together	<b>June 27</b> Raft #3 is tack welded together.	<b>June 28</b> Pre-weld inspection. Completely weld Raft #3.	<b>June 29</b> Raft #3 sent off site for stress relieving.
<b>July 2</b> Raft #3 sent off site for stress relieving. <b>Charlie Bremmer</b> out, therefore may be no inspection of raft 2 and 1 parts before tack welding.	<b>July 3</b> Raft #3 sent off site for stress relieving. <b>Charlie Bremmer</b> out, therefore may be no inspection of raft 2 and 1 parts before tack welding.	<b>July 4</b> <b>Holiday</b>	<b>July 5</b> Light Sandblast of Raft #3 to remove stress relief oven scale. Charlie Bremmer inspection of raft 2 and 1 parts before tack welding. <b>Waiting for quote from grinder!</b>	<b>July 6</b> Machine edges of Raft #3 mounting plates.
<b>July 9</b> Raft #3 sent off site for grinding? <b>NO!</b>	<b>July 10</b> Raft #3 sent off site for grinding? <b>NO!</b> Start welding raft #2. <b>YES!</b>	<b>July 11</b> Raft #3 sent off site for grinding. <b>NO!</b>	<b>July 12</b> Raft #3 sent off site for grinding. <b>NO!</b> Start welding raft #1? Yes	<b>July 13</b> Raft #3 sent off site for grinding. <b>NO!</b>
<b>July 16</b> Raft #3 sent off site for grinding. <b>NO!</b>	<b>July 17</b> Raft #3 sent off site for grinding. <b>NO!</b>	<b>July 18</b> Raft #3 sent off site (overnight shipping) for grinding.	<b>July 19</b> Raft #3 sent off site for grinding.	<b>July 20</b> Raft #3 sent off site for grinding.
<b>July 23</b> Raft #3 sent off site for grinding.	<b>July 24</b> Raft #3 arrives back from grinding.	<b>July 25</b> Inspection of the grinding of Raft #3. Clean first?	<b>July 26</b> Begin machining of the top plates of raft #3	<b>July 27</b> Continue machining of the top plates of raft #3.
<b>July 30</b> Machine work done. Inspection of the drilled and tapped holes of Raft #3.	<b>July 31</b> Inspection of the drilled and tapped holes of Raft #3.	<b>August 1</b> Re-Machine dowel pin holes.	<b>August 2</b> Inspection of the dowel pin holes of Raft #3.	<b>August 3</b> Sand Blast and clean out tapped holes.
<b>August 6</b> Send Raft #3 to platers for electroless nickel plating.	<b>August 7</b> Raft #3 at platers.	<b>August 8</b> Raft #3 at platers.	<b>August 9</b> Raft #3 returns from platers. Final inspection.	<b>August 10</b> Deliver to SNS building 71
<b>August 13</b>	<b>August 14</b>	<b>August 15</b>	<b>August 16</b>	<b>August 17</b>

# SNS - FES MEBT Raft Fabrication Schedule

	May							June														July														August																																	
	May 17	May 18	May 21	May 22	May 23	May 24	May 25	May 29	May 30	May 31	June 1	June 4	June 6	June 7	June 8	June 11	June 12	June 13	June 14	June 15	June 18	June 19	June 20	June 21	June 22	June 25	June 26	June 27	June 28	June 29	July 2	July 3	July 4	July 5	July 6	July 9	July 10	July 11	July 12	July 13	July 16	July 17	July 18	July 19	July 20	July 23	July 24	July 25	July 26	July 27	July 30	July 31	August 1	August 2	August 3	August 6	August 7	August 8	August 9	August 10	August 13	August 14	August 15	August 16	August 17	August 20	August 21	August 22	August 23
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Problem finding 2" x 5" tubing. Revise the drawings to change tube size.																																																																					
Rev C WJO released to the approver																																																																					
Procure Material																																																																					
Cut and preliminary machine work of all parts for rafts 1, 2 and 3.																																																																					
Inspect parts, start Raft #3 assembly and tack weld the parts together.																																																																					
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Inspect parts (pre-weld)																																																																					
Start Raft #2 assembly and tack weld the parts together.																																																																					
Pre-weld inspection. Completely weld Raft #2. Start building raft #1.																																																																					
Machine edges of Raft #2 mounting plates.																																																																					
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