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REQUIRED STEPS FOR VARIOUS METHODS - PEP - INITIAL DESIGN

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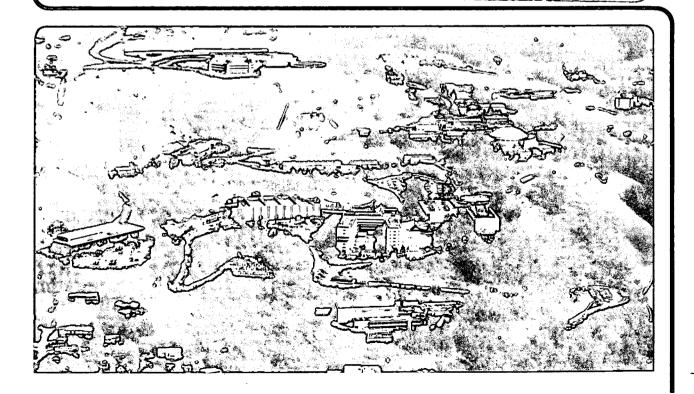
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a. b. c. d. e. Major St	Set up Attach Attach Adjust Repeat	laser leve servo rod servo rod elevation	el. to hook s to too				
b. c. d. e. Major St	Attach Attach Adjust Repeat	servo rod servo rod elevation	to hook s to too	nage and b			
			adjustme u d for e	ling points	s and foresight		
	.ep R-2 (	adjust do	wnbeam a	nd radial p	position of fir	rst magnet adj	iacent
b.	Use poc tooling	point on	to measur magnet.	re distance	e from Plumb bo generate vertic		ı two
d. e. f.	Use ser Adjust	radial po	sition.		fsets of toolir	ng points.	
Major St	ep R-3 (	adjust ra	dial and	downbeam j	position of sec	cond magnet)	
a. b. c.	Same as	R-2 d.			adjacent magnet	ts using pocke	≥t tape
Major St	cep R-4 (	radial an	d downbe	am of subs	equent magnets)	)	
a.	Repeat	R-3 for e	ach magn	et.			
3 (optic	al tooli:	ng, conve	ntional	support, s	tep adjustment	).	
San	ne as cas	es 2 and	4 except	::			
Ste	ep R-2 c.	use jig	transit.				
	e. f. Major St a. b. c. Major St a. 3 (optic San Ste	d. Use ser e. Adjust f. Adjust Major Step R-3 ( a. Measure b. Same as c. Same as Major Step R-4 ( a. Repeat 3 (optical tooli Same as cas Step R-1 a.	<ul> <li>d. Use servo rod to</li> <li>e. Adjust radial po</li> <li>f. Adjust downbeam</li> <li>Major Step R-3 (adjust ra</li> <li>a. Measure between</li> <li>b. Same as R-2 d.</li> <li>c. Same as R-2 e an</li> <li>Major Step R-4 (radial an</li> <li>a. Repeat R-3 for e</li> <li>3 (optical tooling, conve</li> <li>Same as cases 2 and</li> <li>Step R-1 a. use opti</li> </ul>	<ul> <li>d. Use servo rod to measure</li> <li>e. Adjust radial position.</li> <li>f. Adjust downbeam position</li> <li>Major Step R-3 (adjust radial and</li> <li>a. Measure between tooling</li> <li>b. Same as R-2 d.</li> <li>c. Same as R-2 e and R-2 f.</li> </ul> Major Step R-4 (radial and downbea) <ul> <li>a. Repeat R-3 for each magn</li> <li>3 (optical tooling, conventional)</li> <li>Same as cases 2 and 4 except</li> <li>Step R-1 a. use optical leve</li> </ul>	<ul> <li>d. Use servo rod to measure radial offe. Adjust radial position.</li> <li>f. Adjust downbeam position.</li> <li>Wajor Step R-3 (adjust radial and downbeam position.</li> <li>Major Step R-3 (adjust radial and downbeam position.</li> <li>a. Measure between tooling points of a b. Same as R-2 d.</li> <li>c. Same as R-2 e and R-2 f.</li> <li>Major Step R-4 (radial and downbeam of substance as R-3 for each magnet.</li> </ul>	<ul> <li>d. Use servo rod to measure radial offsets of tooline.</li> <li>Adjust radial position.</li> <li>f. Adjust downbeam position.</li> </ul> Major Step R-3 (adjust radial and downbeam position of second. <ul> <li>Measure between tooling points of adjacent magnets</li> <li>b. Same as R-2 d.</li> <li>c. Same as R-2 e and R-2 f.</li> </ul> Major Step R-4 (radial and downbeam of subsequent magnets) <ul> <li>a. Repeat R-3 for each magnet.</li> </ul> 3 (optical tooling, conventional support, step adjustment) Same as cases 2 and 4 except: <ul> <li>Step R-1 a. use optical level.</li> </ul>	<ul> <li>d. Use servo rod to measure radial offsets of tooling points.</li> <li>e. Adjust radial position.</li> <li>f. Adjust downbeam position.</li> </ul> Major Step R-3 (adjust radial and downbeam position of second magnet) <ul> <li>a. Measure between tooling points of adjacent magnets using pocked</li> <li>b. Same as R-2 d.</li> <li>c. Same as R-2 e and R-2 f.</li> </ul> Major Step R-4 (radial and downbeam of subsequent magnets) <ul> <li>a. Repeat R-3 for each magnet.</li> </ul> 3 (optical tooling, conventional support, step adjustment). <ul> <li>Same as cases 2 and 4 except:</li> <li>Step R-1 a. use optical level.</li> </ul>

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AUTHOR	DEPARTMENT	LOCATION	DATE		
Jack Gunn	Mechanical Engineering	Berkeley	December 2	2, 1975	

Case 5 (optical tooling, 3 point support, step adjustment).

Same as case 3 except:

Add calculation for required adjustment after step R-2 d.

Case 6 (lasers, 3 point support, step adjustment)

Same as case 4 except:

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Add calculation for required adjustment after Step R-2 d.

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