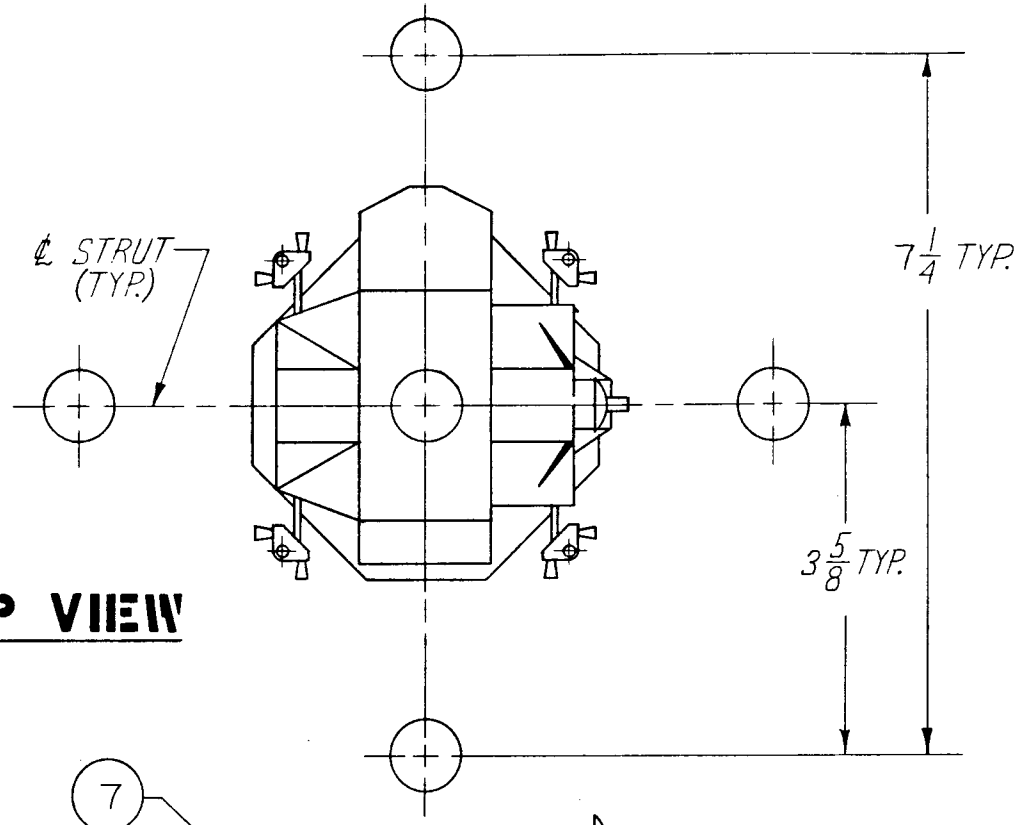
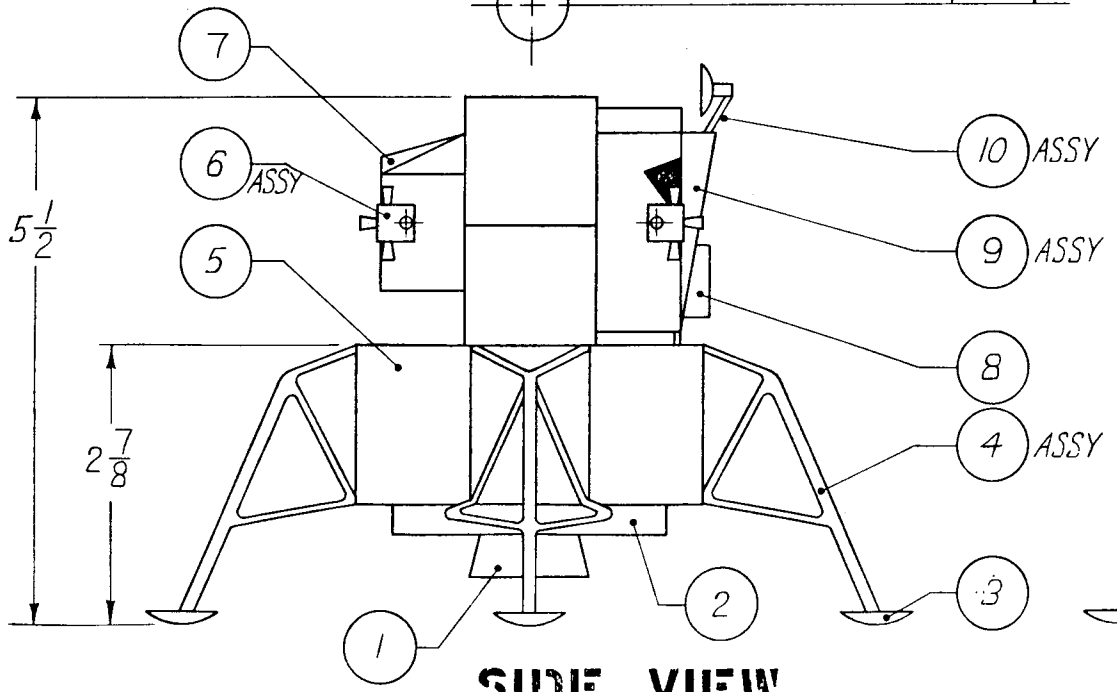
APOLLO — LM

ASSEMBLY VIEWS

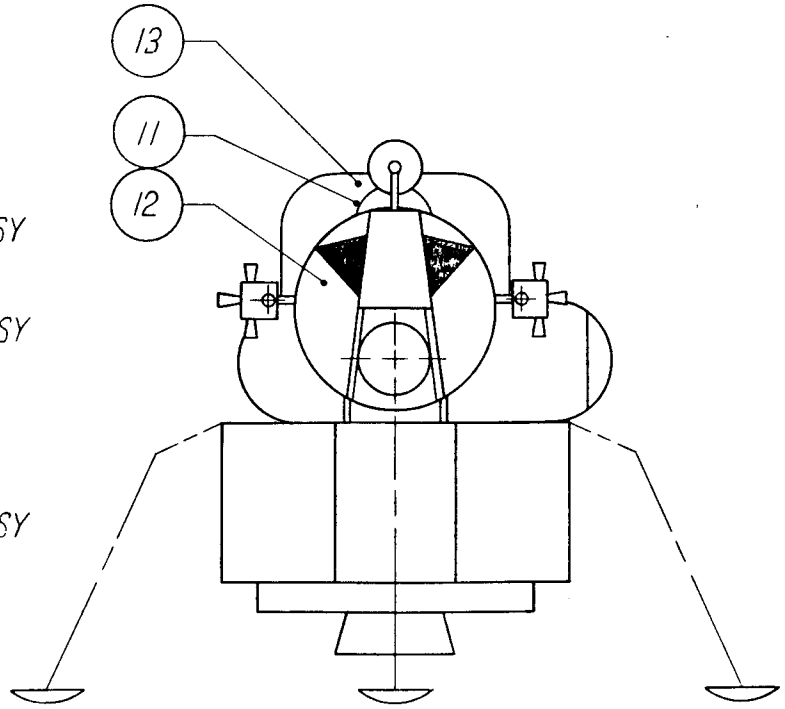
SCALE: $\frac{1}{2}$



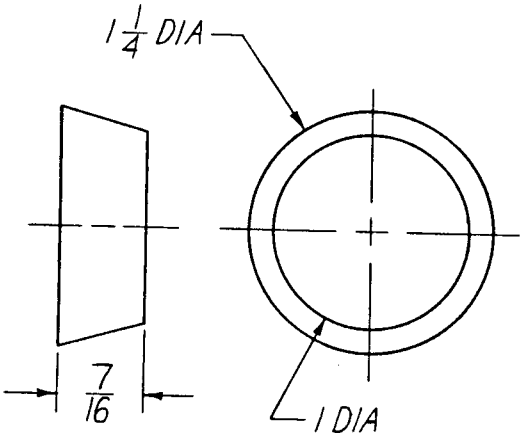
TOP VIEW



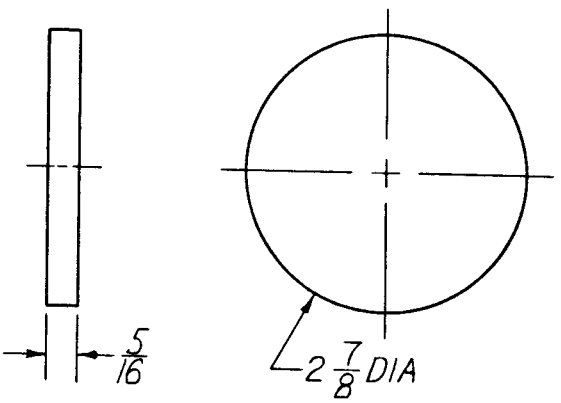
SIDE VIEW



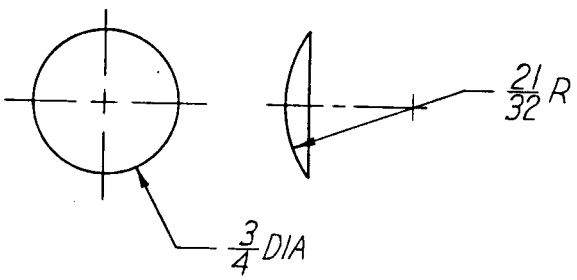
FRONT VIEW



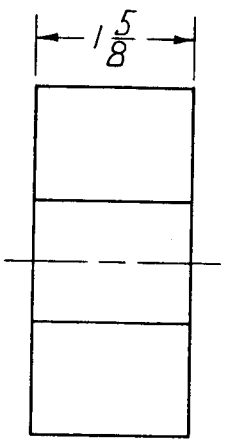
1 ENGINE — 1 REQ'D
SCALE: 1/1

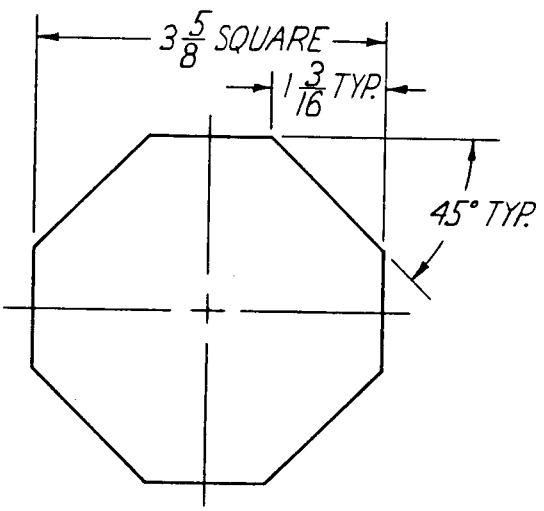


2 HEAT SHIELD — 1 REQ'D
SCALE: 1/2

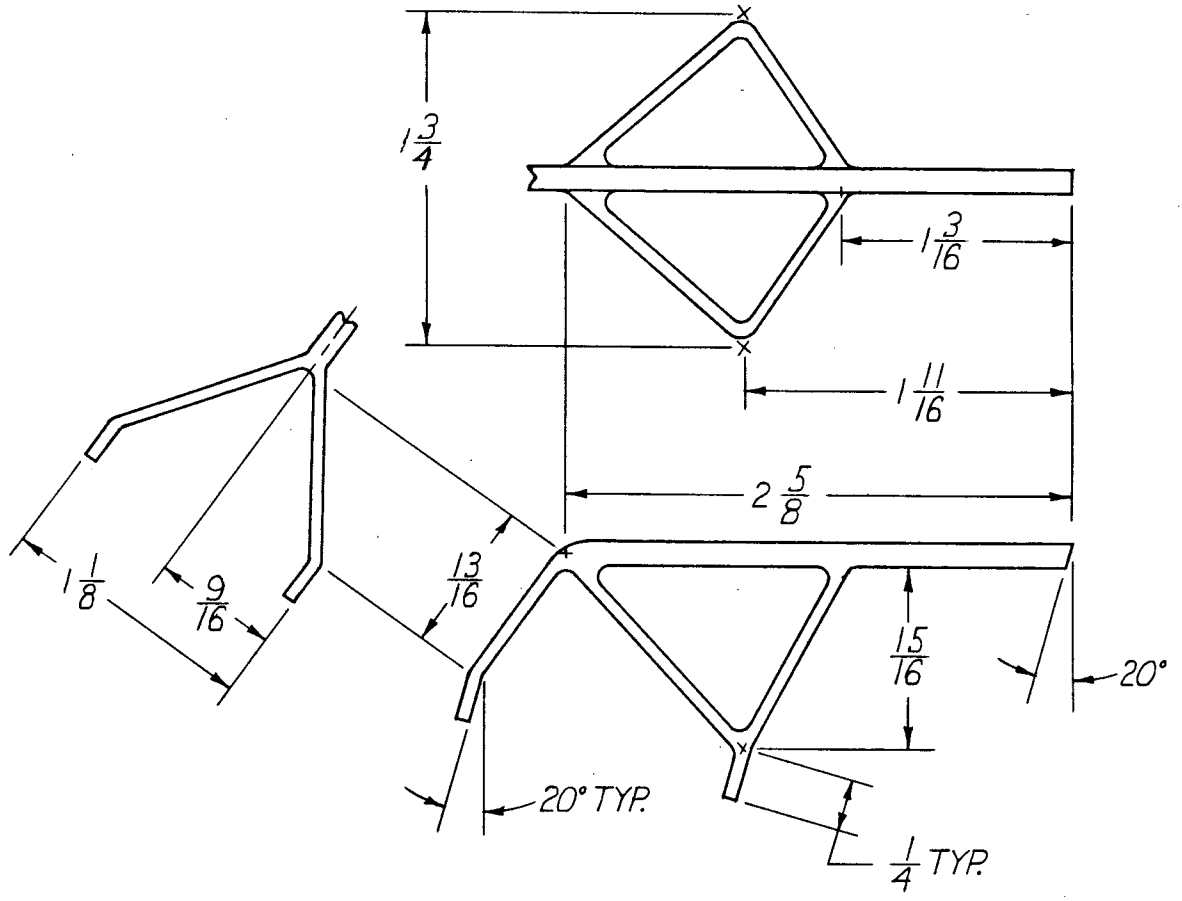


3 LANDING PAD — 4 REQ'D
SCALE: 1/1

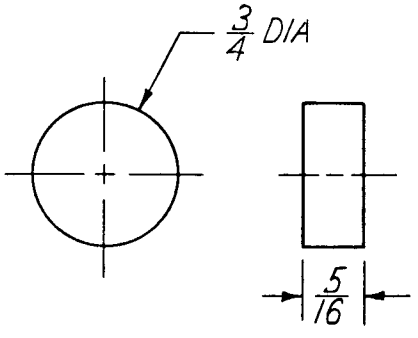




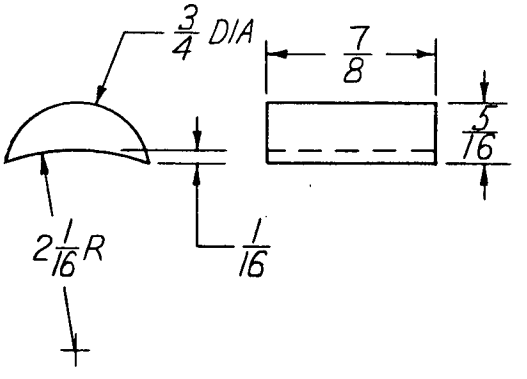
5 ENGINE HOUSING — 1 REQ'D
SCALE: 1/2



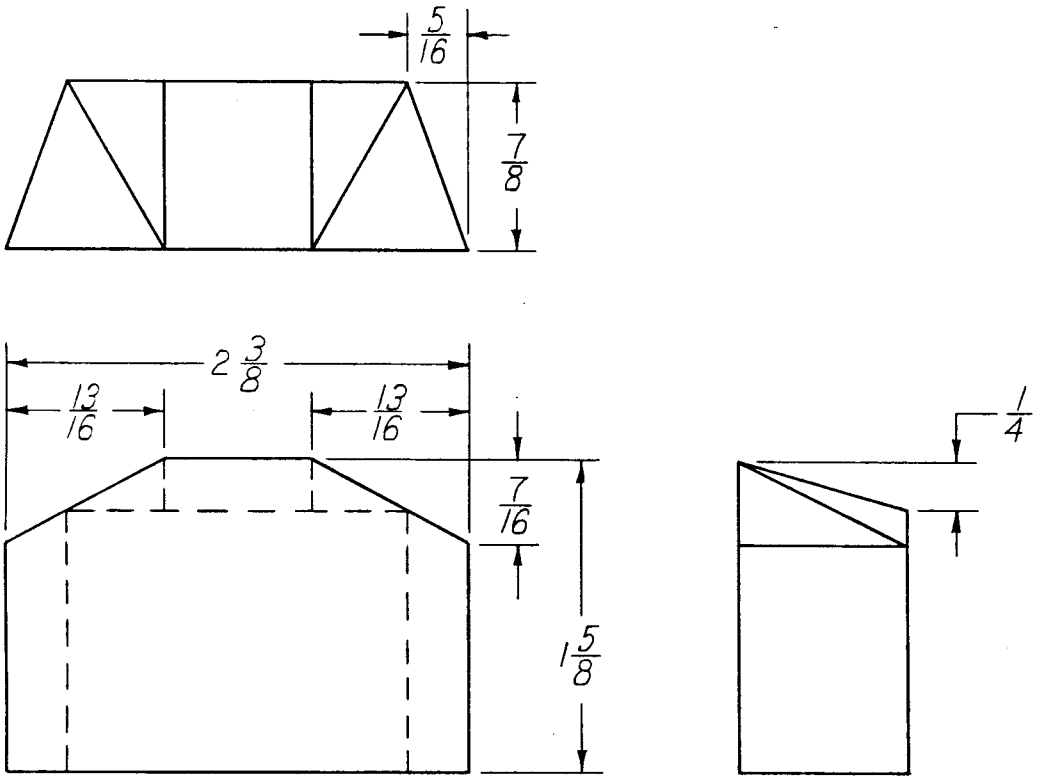
4 ASSY — LANDING GEAR — 4 REQ'D
SCALE: 1/1



8 DOCKING TUNNEL — 1 REQ'D
SCALE: 1/1

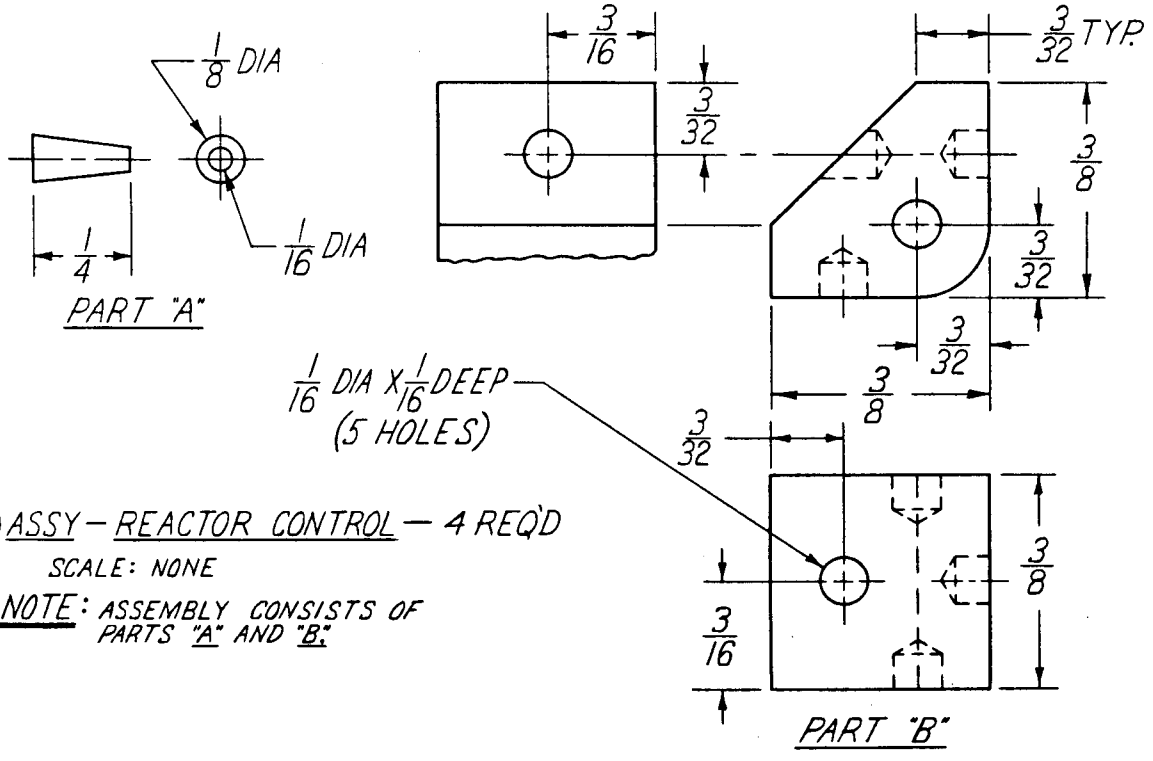


11 HOUSING, RADAR EQUIPMENT — 1 REQ'D
SCALE: 1/1



7 FUEL STORAGE COMPARTMENT — 1 REQ'D

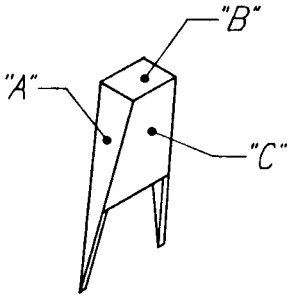
SCALE: 1/1

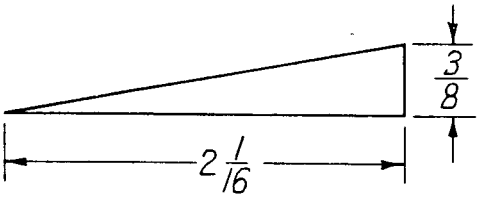


6 ASSY — REACTOR CONTROL — 4 REQ'D

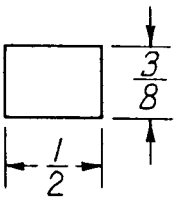
SCALE: NONE

NOTE: ASSEMBLY CONSISTS OF PARTS "A" AND "B".





PART "A" — 2 REQ'D
SCALE: 1/1

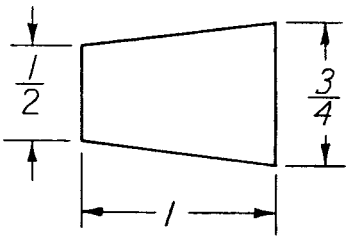


PART "B" — 1 REQ'D
SCALE: 1/1

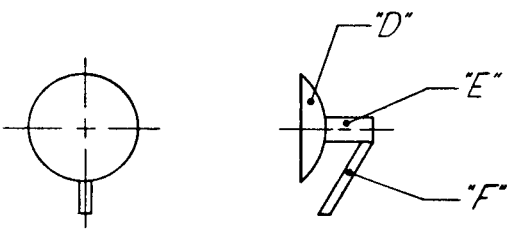
(9) ASSY — EQUIPMENT SHIELD — 1 REQ'D
SCALE: NOTED

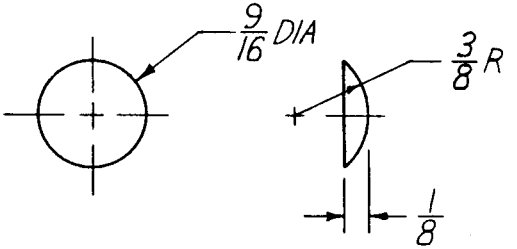
NOTE: ASSEMBLY CONSISTS OF:
PART "A"
PART "B" — SHOWN AT RIGHT
PART "C"

✳ ALL PARTS ARE 1/16 THICK



PART "C" — 1 REQ'D
SCALE: 1/1

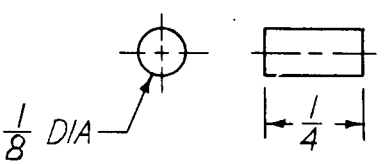




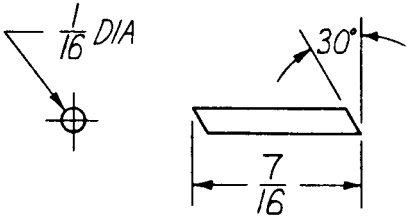
PART "D" — SCALE: 1/1

(10) ASSY — RADAR ANTENNA — 1 REQ'D
SCALE: NOTED

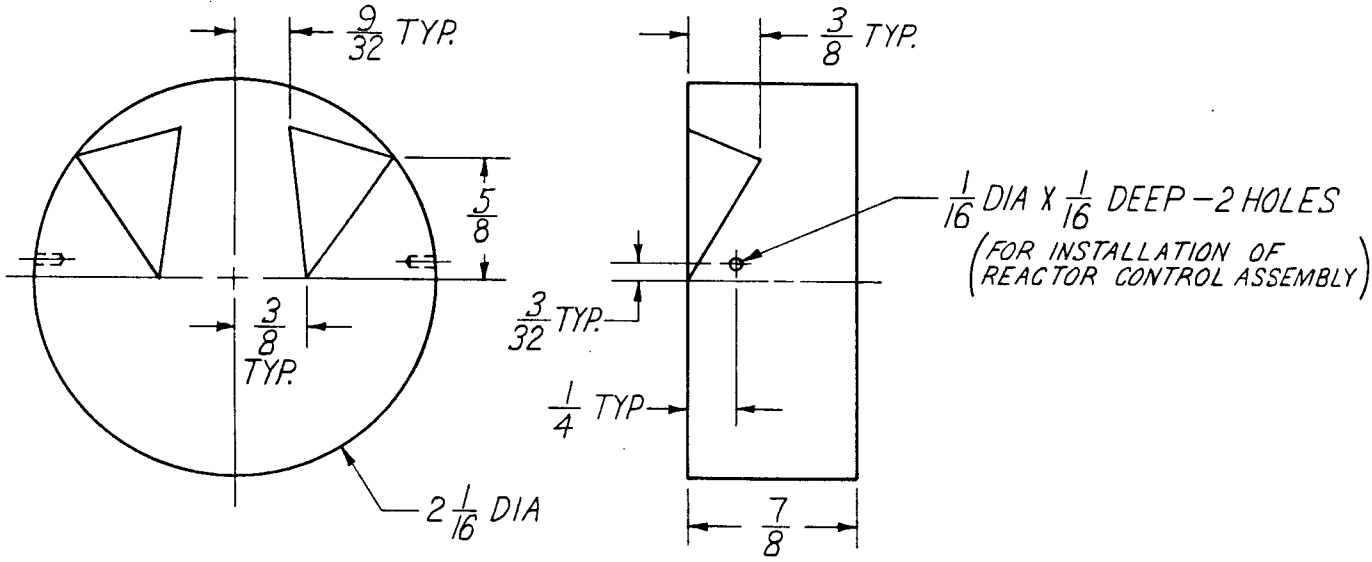
NOTE: ASSEMBLY CONSISTS OF:
PART "D"
PART "E" — SHOWN AT RIGHT
PART "F"



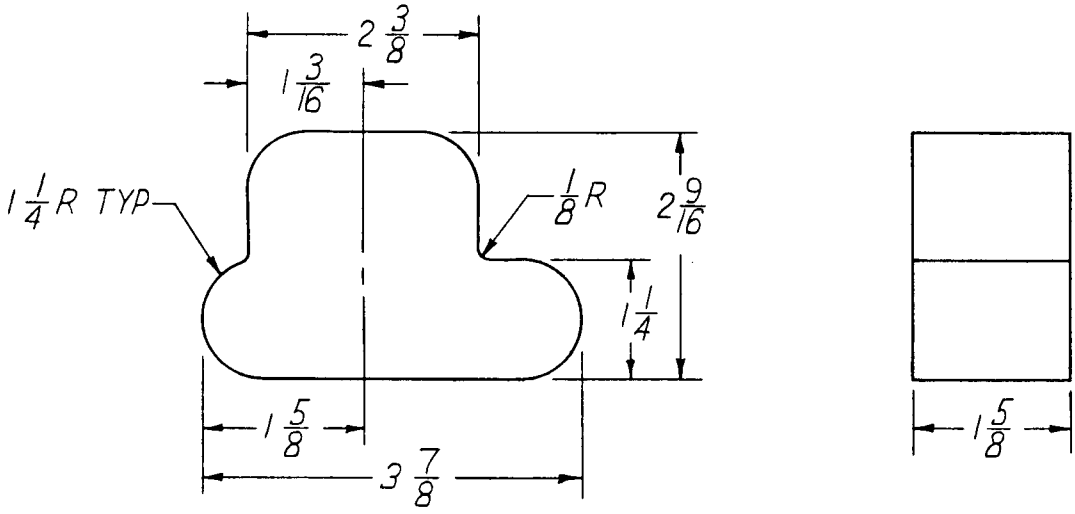
PART "E" — SCALE: 2/1



PART "F" — SCALE: 2/1



(12) CABIN – 1 REQ'D
SCALE: 1/1



(13) MAIN BODY – 1 REQ'D
SCALE: 1/2

Lunar Module

Recommended materials for construction			
Part no.	**Number required**	**Recommended material**	**Color**
1	One	Wood - pine	Black
2	One	Wood – pine	Black
3	Four	Wood – pine	White
4 Assy.	Four	Metal brazing rod	Silver
5	One	Wood – pine	White
6 Assy.	Four	Wood – pine	Black
7	One	Wood – pine	White
8	One	Wood - doweling	White
9 Assy.	One	Wood – pine	White
10 Assy.	One	Wood – pine	Black
11	One	Wood – pine	White
12	One	Wood – pine	White
13	One	Wood - pine	White

Recommended procedure for construction				
Part no.	**Suggested materials**	**Fabrication technique**	**Surface treatment**	**Assembly recommendations**
1	Wood - pine	Cut to length and turn to specified dimensions.	Finish sand.	
2	Wood – pine	Cut to thickness. File to specified diameter.	Finish sand.	Glue part 1 to part 2 with epoxy resin. Paint assembly black.
3	Wood – pine	Cut to thickness. File to specified diameter.	Finish sand. Paint white.	
4 Assy.	Metal, 1/8" and 1/16" brazing rod	Cut rods to lengths. Form necessary rods and braze together. Use detail drawing for pattern.	Clean. Paint black.	
5	Wood – pine ("B") Wood – 1/8" diameter dowel ("A")	Cut to thickness. Shape to specified dimensions.	Finish sand. Paint white.	
6 Assy.	Wood – pine	Cut parts "A" and "B" to specified dimensions. Drill holes in "B"	Finish sand.	Glue part "A" to part "B" with epoxy resin. Paint assembly black.
7	Wood – pine	Cut to specified dimensions.	Finish sand.	
8	Wood – ¾" diameter dowel	Cut to length.	Finish sand.	
9 Assy.	Wood – pine	Cut all parts to specified dimensions.	Finish sand after assembly.	Glue parts "A", "B", and "C" together using epoxy cement.
10 Assy	Wood – pine ("D") Wood – 1/8" diameter dowel ("E") Wood – 1/16" diameter dowel ("F")	Cut parts "D", "E", and "F" to specified dimensions.	Finish sand after assembly.	Glue parts "D", "E", and "F" together using epoxy cement. Paint assembly black.
11	Wood – pine	Cut and radius to specified dimensions.	Finish sand.	
12	Wood – pine	Cut to specified thickness and diameter. Make cut-outs (windows) with wood chisel.	Finish sand.	Glue parts 8, 9, and 11 to part 12 using epoxy cement.
13	Wood - pine	Cut to thickness and shape per specified dimensions.	Finish sand.	Glue parts 5, 7, and 12 to part 13. Paint assembly white.
				Drill 1/16" diameter holes in parts 7 and 12 and install part 6 assy. with epoxy cement.
				Paint cutouts in part 12 black.
				Glue part 10 assy to part 9 assy with epoxy cement.
				Glue part 2 to bottom of part 5 with epoxy cement.

				Glue part 3 to part 4 with epoxy cement.
**CAUTION – Check levelness of model prior to gluing of landing pads to landing struts.				Drill 1/16” diameter holes in part 5 and glue part 4 to part 5 with epoxy cement.