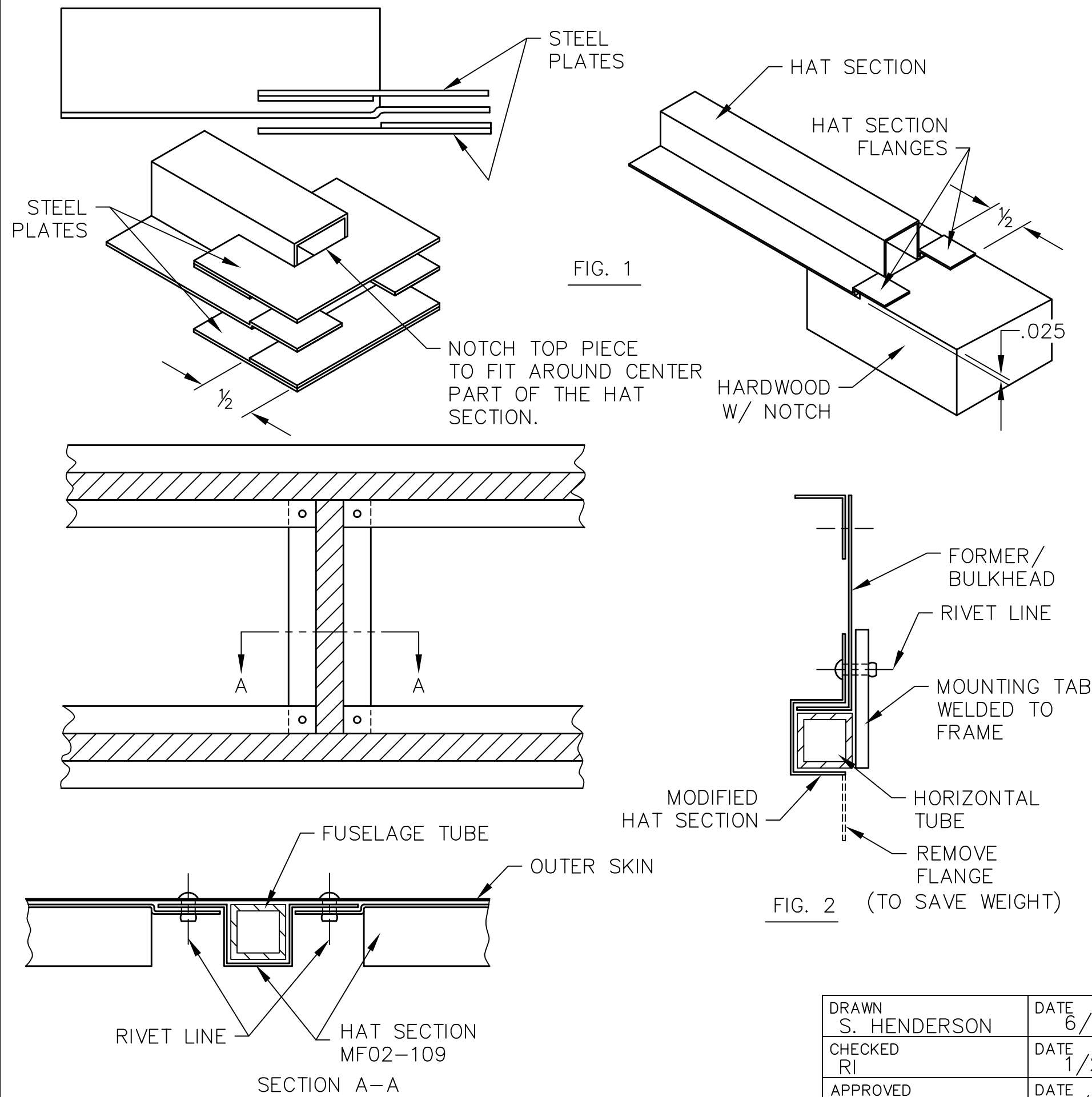


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REVISIONS				
E.C. NO.	REV.	DESCRIPTION	BY	DATE
	A	RELEASED DRAWING	SH	6/05
0849	B	NOTES ADDED	SH	1/09

NOTE:

- HAT SECTIONS ARE USED WHEREVER ALUMINUM STRUCTURE IS ATTACHED TO STEEL TO PREVENT ANY DRILLING INTO THE STEEL STRUCTURE.
- HAT SECTIONS WILL NEED TO BE TRIMMED-TO-FIT ALONG UPPER/LOWER LONGERONS, ALL VERTICALS, AND ALSO ALONG HORIZONTALS WHERE FORMERS/BULKHEADS ARE MOUNTED.
- WHERE HAT SECTIONS OVERLAP, IT IS RECOMMENDED TO JOGGLE THE OUTER FLANGES. THIS CAN BE DONE BY NOTCHING OUT A PIECE OF HARDWOOD, AND USING A HAMMER AND A SQUARE BAR OF STEEL (SUCH AS A BUCKING BAR), A JOGGLE CAN BE TAPPED INTO THE FLANGE OF THE HAT SECTION. DOING THIS INSURES THE OUTSIDE SKINS WILL BE FLUSH TO THE HAT SECTIONS. THIS CAN ALSO BE ACCOMPLISHED BY WELDING SCRAP STEEL OF .025 THICKNESS TOGETHER AND THEN SANDWICHING THE FLANGES OF THE HAT SECTIONS BETWEEN THEM. (AS SHOWN IN FIG. 1)
- AN AIR POWERED JOGLING TOOL CAN BE PURCHASED FROM TITAN AIRCRAFT FOR THIS PURPOSE.
- WHERE FORMERS/BULKHEADS ATTACH TO HORIZONTAL CROSS MEMBERS, USE HAT SECTIONS (WITH ONE FLANGE REMOVED) TO TIE THE FORMERS/BULKHEADS TO THE STEEL. (AS SHOWN IN FIG. 2)
- REFER TO DRAWING T51-04-INS-1052 TO SEE INTERIOR SKIN ATTACHMENT WITH HAT SECTIONS, AND ALSO DRAWING T51-03-INS-0963 TO SEE HOW THE HAT SECTIONS ARE USED AS STRINGERS.

		TITAN AIRCRAFT SUPPLY	
		1419 STATE ROUTE 45 SOUTH AUSTINBURG, OHIO 44010	
DETAIL NAME		HAT SECTION INSTALLATION INSTRUCTIONAL	
DRAWN S. HENDERSON		DATE 6/27/05	SCALE 1/2"=1" PART NO.
CHECKED RI		DATE 1/21/09	ASSEMBLY NAME
APPROVED KORY B.		DATE 1/29/09	PART NO. DRAWING NO. F1
		DRAWING NO. B T51-05-INS-1161-B	